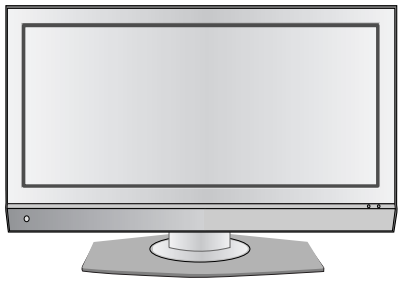
LCD TV
SERVICE MANUAL

CHASSIS : LD73A

MODEL : 42LC46 42LC46-ZC

CAUTION
BEFORE SERVICING THE CHASSIS,
READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by ⚠ in the Schematic Diagram and Replacement Parts List.
It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent Shock, Fire, or other Hazards.
Do not modify the original design without permission of manufacturer.

General Guidance

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Before returning the receiver to the customer,

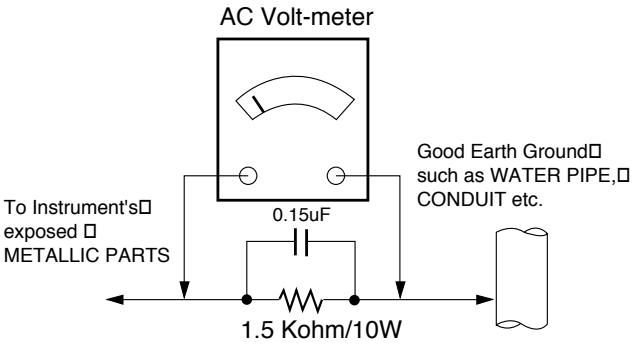
always perform an **AC leakage current check** on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate without damage of electrical shock.

Leakage Current Cold Check(Antenna Cold Check)
With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.
If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1MΩ and 5.2MΩ.
When the exposed metal has no return path to the chassis the reading must be infinite.
An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)
Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.
Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.
In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



SERVICING PRECAUTIONS

CAUTION: Before servicing receivers covered by this service manual and its supplements and addenda, read and follow the *SAFETY PRECAUTIONS* on page 3 of this publication.

NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

1. Always unplug the receiver AC power cord from the AC power source before;
   a. Removing or reinstalling any component, circuit board module or any other receiver assembly.
   b. Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
   c. Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.
   CAUTION: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.

2. Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe.
   Do not test high voltage by "drawing an arc".
3. Do not spray chemicals on or near this receiver or any of its assemblies.
4. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable non-abrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength)
   CAUTION: This is a flammable mixture.
   Unless specified otherwise in this service manual, lubrication of contacts in not required.
5. Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.
6. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
7. Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead.
   Always remove the test receiver ground lead last.
8. *Use with this receiver only the test fixtures specified in this service manual.*
   CAUTION: Do not connect the test fixture ground strap to any heat sink in this receiver.

Electrostatically Sensitive (ES) Devices

Some semiconductor (solid-state) devices can be damaged easily by static electricity. Such components commonly are called *Electrostatically Sensitive (ES) Devices.* Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static by static electricity.

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the unit under test.
2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
4. Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.
   CAUTION: Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

General Soldering Guidelines

1. Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range or 500 °F to 600 °F.
2. Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.
3. Keep the soldering iron tip clean and well tinned.
4. Thoroughly clean the surfaces to be soldered. Use a mall wire-bristle (0.5 inch, or 1.25cm) brush with a metal handle.
   Do not use freon-propelled spray-on cleaners.
5. Use the following unsoldering technique
   a. Allow the soldering iron tip to reach normal temperature. (500 °F to 600 °F)
   b. Heat the component lead until the solder melts.
   c. Quickly draw the melted solder with an anti-static, suction-type solder removal device or with solder braid.
   CAUTION: Work quickly to avoid overheating the circuitboard printed foil.
6. Use the following soldering technique.
   a. Allow the soldering iron tip to reach a normal temperature (500 °F to 600 °F)
   b. First, hold the soldering iron tip and solder the strand against the component lead until the solder melts.
   c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
   CAUTION: Work quickly to avoid overheating the circuit board printed foil.
   d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

IC Remove/Replacement

Some chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

Removal

1. Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts.
2. Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

Replacement

1. Carefully insert the replacement IC in the circuit board.
2. Carefully bend each IC lead against the circuit foil pad and solder it.
3. Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to the areas).

"Small-Signal" Discrete Transistor Removal/Replacement

1. Remove the defective transistor by clipping its leads as close as possible to the component body.
2. Bend into a "U" shape the end of each of three leads remaining on the circuit board.
3. Bend into a "U" shape the replacement transistor leads.
4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact then solder each connection.

Power Output, Transistor Device Removal/Replacement

1. Heat and remove all solder from around the transistor leads.
2. Remove the heat sink mounting screw (if so equipped).
3. Carefully remove the transistor from the heat sink of the circuit board.
4. Insert new transistor in the circuit board.
5. Solder each transistor lead, and clip off excess lead.
6. Replace heat sink.

Diode Removal/Replacement

1. Remove defective diode by clipping its leads as close as possible to diode body.
2. Bend the two remaining leads perpendicular y to the circuit board.
3. Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.
4. Securely crimp each connection and solder it.
5. Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and if necessary, apply additional solder.

Fuse and Conventional Resistor Removal/Replacement

1. Clip each fuse or resistor lead at top of the circuit board hollow stake.
2. Securely crimp the leads of replacement component around notch at stake top.
3. Solder the connections.
   CAUTION: Maintain original spacing between the replaced component and adjacent components and the circuit board to prevent excessive component temperatures.

Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board causing the foil to separate from or "lift-off" the board. The following guidelines and procedures should be followed whenever this condition is encountered.

At IC Connections

To repair a defective copper pattern at IC connections use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections).

1. Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary).
2. carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.
3. Bend a small "U" in one end of a small gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
4. Route the jumper wire along the path of the out-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area and clip off any excess jumper wire.

At Other Connections

Use the following technique to repair the defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.

1. Remove the defective copper pattern with a sharp knife. Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
2. Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
3. Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side. Carefully crimp and solder the connections.
   CAUTION: Be sure the insulated jumper wire is dressed so the it does not touch components or sharp edges.

SPECIFICATION

NOTE : Specifications and others are subject to change without notice for improvement.

1. General Specification(TV)

No.	Item	Specification	Remark
1.	Video input applicable system	PAL-D/K, B/G, I, SECAM	
2.	Receivable Broadcasting System	1) PAL/SECAM B/G 2) PAL/SECAM D/K 3) PAL I/II 4) SECAM L/L' 5) DVB-T	EU(PAL Market)
3.	RF Input Channel	VHF : E2 ~ E12 UHF : E21 ~ E69 CATV : S1 ~ S20 HYPER : S21~ S47	PAL
4.	Input Voltage	AC 100 ~ 240 V/50Hz, 60Hz	
5.	Market	UK / France / Spain / German / Finland / Sweden / Italy	
6.	Picture Size	26 inch 32 inch 37 inch 42 inch	26LC45/26LC46/26LC55 32LC45/32LC46/32LC55/32LC56 37LC45/37LC46/37LC55 42LC45/42LC46/42LC55
7.	Tuning System	FVS 100 program	PAL, 200 PR.(Option)
8.	Operating Environment	1) Temp : 0 ~ 40 deg 2) Humidity : 10 ~ 90 %	
9.	Storage Environment	3) Temp : -20 ~ 50 deg 4) Humidity : 10 ~ 90 %	
10.	Display	LCD Module	LPL

2. General Specification(LCD Module)

No.	Item	Specification			Unit	Remark
1.	Panel	26” TFT WXGA LCD 32” TFT WXGA LCD 37” TFT WXGA LCD 42” TFT WXGA LCD				26LC45/26LC46/26LC55 32LC45/32LC46/32LC55/32LC56 37LC45/37LC46/37LC55 42LC45/42LC46/42LC55
2.	Frequency range	H : 45 ~ 50Khz, V : 47 ~ 63Hz H : 44.65 ~ 50.35Khz, V : 47 ~ 63Hz				26, 32, 37 inch 42 inch
3.	Power consumption	26 inch 32 inch 37 inch 42 inch	≤ 4.6 ≤ 5.54 ≤ 6 ≤ 8.27		W W W W	
4.	LCD Module-LPL (26inch)	Type Size	26”	626.0 x 373.0 x 44.1	mm	(H) x (V) x (D)
		Pixel Pitch	26”	140.5 x 421.5 x RGB	*um*	
		Pixel Format	1366 horiz. By 768 vert. Pixels RGB strip arrangement			
		Coating	Hard coating(3H), Anti-glare treatment of the front polarizer			
		Back Light	26”	17 EEFL		
5.	LCD Module-CMO (26inch)	Type Size	26”	575.769 x 323.712	mm	(H)x (V)x (D)
		Pixel Pitch	26”	140.5 x 421.5 *um*		
		Pixel Format	1366 x RGB x 768			
		Coating	Hard coating(3H), Anti-glare			
		Back Light	26”	12 CCFL		
6.	LCD Module (32inch)	Type Size	32”	760.0 x 450.0 x 42.8	mm	(H)x (V)x (D)
		Pixel Pitch	32”	170.25 x 510.75 x RGB	*um*	
		Pixel Format	1366 horiz. By 768 vert. Pixels RGB strip arrangement			
		Coating	Hard coating(3H), Anti-glare treatment of the front polarizer			
		Back Light	32”	18 EEFL		
7.	LCD Module (37inch)	Type Size	37”	877.0 x 516.8 x 46.9	mm	(H) x (V) x (D)
		Pixel Pitch	37”	0.200 x 0.600 x RGB	mm	
		Pixel Format	1366 horiz. By 768 vert. Pixels RGB strip arrangement			
		Coating	Hard coating(3H), Anti-glare treatment of the front polarizer			
		Back Light	37”	16 EEFL		
8.	LCD Module (42inch)	Type Size	42”	983 x 576 x 47.3	mm	(H) x (V) x (D)
		Pixel Pitch	42”	0.227 x 0.681 x RGB	mm	
		Pixel Format	1366 horiz. By 768 vert. Pixels RGB strip arrangement			
		Coating	Hard coating(3H), Anti-glare treatment of the front polarizer			
		Back Light	42”	18 CCFL		

3. Optical Feature

3-1. 26” LCD Module-LPL

No.	Item	Specification		Min.	Typ.	Max.	Remark
1.	Viewing Angle<CR>10>	R/L, U/D			178, 178		
2.	Luminance	Luminance (cd/m^2)		350	400		26”
		Variation			-	1.3	MAX / MIN
3.	Contrast Ratio	CR(26”)		500	700		All white/All black
		CR_D (With AI)(26”)		1000	1400		All white/All black
4.	CIE Color Coordinates	White	Wx	Typ.	0.275	Typ.	LPL(26”)
			Wy	-0.03	0.279	+0.03	
		RED	Xr		0.630		
			Yr		0.338		
		Green	Xg		0.283		
			Yg		0.607		
		Blue	Xb		0.147		
			Yb		0.064		

3-2. 26” LCD Module-CMO

No.	Item	Specification		Min.	Typ.	Max.	Remark
1.	Viewing Angle<CR>10>	R/L, U/D			160, 150		
2.	Luminance	Luminance (cd/m^2)		350	400		26”
		Variation			-	1.3	MAX / MIN
3.	Contrast Ratio	CR(26”)		500	700		All white/All black
		CR_D (With AI)(26”)		1000	1400		All white/All black
4.	CIE Color Coordinates	White	Wx	Typ.	0.280	Typ.	CMO(26”)
			Wy	-0.03	0.285	+0.03	
		RED	Xr		0.637		
			Yr		0.332		
		Green	Xg		0.268		
			Yg		0.590		
		Blue	Xb		0.150		
			Yb		0.059		

3-3. Optical Feature(32” LCD Module)

No.	Item	Specification		Min.	Typ.	Max.	Remark
1.	Viewing Angle<CR>10>	R/L, U/D			178, 178		
2.	Luminance	Luminance (cd/m^2)		320	400		32”
		Variation			-	1.3	MAX / MIN
3.	Contrast Ratio	CR(32”)		600	800		All white/All black
		CR_D (With AI)(32”)		1200	1600		All white/All black
4.	CIE Color Coordinates	White	Wx	Typ.	0.285	Typ.	32”
			Wy	-0.03	0.293	+0.03	
		RED	Xr		0.640		
			Yr		0.343		
		Green	Xg		0.280		
			Yg		0.605		
		Blue	Xb		0.145		
			Yb		0.065		

3-4. Optical Feature(37” LCD Module)

No.	Item	Specification		Min.	Typ.	Max.	Remark
1.	Viewing Angle<CR>10>	R/L, U/D			178, 178		
2.	Luminance	Luminance (cd/m^2)		360	400		37”
		Variation			-	1.3	MAX / MIN
3.	Contrast Ratio	CR(37”)		600	800		All white/All black
		CR_D (With AI)(32”)		1200	1600		All white/All black
4.	CIE Color Coordinates	White	Wx	Typ.	0.279	Typ.	37”
			Wy	-0.03	0.292	+0.03	
		RED	Xr		0.640		
			Yr		0.343		
		Green	Xg		0.280		
			Yg		0.605		
		Blue	Xb		0.145		
			Yb		0.065		

3-5. Optical Feature(42” LCD Module)

No.	Item	Specification		Min.	Typ.	Max.	Remark
1.	Viewing Angle<CR>10>	R/L, U/D			178, 178		
2.	Luminance	Luminance (cd/m^2)		350	400		42”
		Variation			-	1.3	MAX / MIN
3.	Contrast Ratio	CR(42”)		600	800		All white/All black
		CR_D (With AI)(42”)		1200	1600		All white/All black
4.	CIE Color Coordinates	White	Wx	Typ.	0.281	Typ.	42”
			Wy	-0.03	0.293	+0.03	
		RED	Xr		0.630		
			Yr		0.343		
		Green	Xg		0.275		
			Yg		0.607		
		Blue	Xb		0.147		
			Yb		0.068		

1) Standard Test Condition
2) Surrounding Brightness Level : dark
3) Surrounding Temperature : 25 ± 2 °C
4) Warm-up Time : 30 Min
5) Input Signal : VESA XGA 60Hz
   - Contrast, Brightness : Max.
   - Clock/Clock Phase : accurate adjustment.

4. Component Video Input (Y, P_B, P_R)

No.	Specification			Remark
	Resolution	H-freq(kHz)	V-freq(Hz)	
1.	720 x 480	15.73	60.00	SDTV, DVD 480i
2.	720 x 480	15.63	59.94	SDTV, DVD 480i
3.	720 x 480	31.47	59.94	480p
4.	720 x 576	15.625	50.00	SDTV, DVD 625 Line
5.	720 x 576	31.25	50.00	HDTV 576p
6.	1280 x 720	45.00	50.00	HDTV 720p
7.	1280 x 720	44.96	59.94	HDTV 720p
8.	1920 x 1080	31.25	50.00	HDTV 1080i
9.	1920 x 1080	33.75	60.00	HDTV 1080i
10.	1920 x 1080	33.72	59.94	HDTV 1080i

5. RGB PC

- RGB PC INPUT Mode Table

No.	Resolution	H-freq(kHz)	V-freq(Hz)	Pixel clock(MHz)	Remark
1.	720 x 400	31.468	70.08	28.321	
2.	640 x 480	31.469	59.94	25.17	VESA
		37.684	75.00	31.50	
3.	800 x 600	37.879	60.31	40.00	VESA
		46.875	75.00	49.50	
4.	832 x 624	49.725	74.55	57.283	
5.	1024 x 768	48.363	60.00	65.00	VESA(XGA)
		56.470	70.00	75.00	
		60.123	75.029	78.75	
6.	1280 x 768	47.776	59.870	79.50	VESA(WXGA)
7.	1360 x 768	47.720	59.799	84.75	VESA(WXGA)
8.	1366 x 768	47.720	59.799	84.75	Supported
9.	1920 x 1080	67.50	60.00	148.50	

* RGB-PC EDID DATA

	0x00	0x01	0x02	0x03	0x04	0x05	0x06	0x07	0x08	0x09	0x0A	0x0B	0x0C	0x0D	0x0E	0x0F
0x00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	Product ID		Serial No			
0x01	Month/Year		01	03	01	46	27	78	EA	D9	B0	A3	57	49	9C	25
0x02	11	49	4B	A5	6E	00	31	40	45	40	61	40	D1	C0	01	01
0x03	01	01	01	01	01	01	1B	21	50	A0	51	00	1E	30	48	88
0x04	35	00	BC	86	21	00	00	1C	26	36	80	A0	70	38	1F	40
0x05	50	20	85	04	BC	86	21	00	00	18	Model Name					
0x06													00	00	00	FD
0x07	00	3C	4B	1D	43	0E	00	0A	20	20	20	20	20	20	00	C/S

6. HDMI DTV

- HDMI DTV Table

No.	Resolution	H-freq.(kHz)	V-freq.(Hz)	Pixel clock(MHz)	Remark	Proposed
1.	640 x 480	31.50	59.94	25.175	SDTV 480p 60Hz	
2.	640 x 480	31.50	60	25.20	SDTV 480p 60Hz	
3.	720 x 480	31.47	59.94	27.00	SDTV 480p 60Hz	
4.	720 x 480	31.47	60	27.027	SDTV 480p 60Hz	
5.	720 x 576	31.25	50.00	27.000	SDTV 576p 50Hz	
6.	1280 x 720	45.00	50.00	74.176	HDTV 720p 50Hz	HDCP
7.	1280 x 720	44.96	59.94	74.176	HDTV 720p 60Hz	HDCP
8.	1280 x 720	44.96	60	74.250	HDTV 720p 60Hz	HDCP
9.	1920 x 1080	28.13	50.00	74.250	HDTV 1080i 50Hz	HDCP
10.	1920 x 1080	33.72	59.94	74.176	HDTV 1080i 60Hz	HDCP
11.	1920 x 1080	33.75	60	74.250	HDTV 1080i 60Hz	HDCP
12.	1920 x 1080	27	24	74.250	HDTV 1080P 24Hz	HDCP
13.	1920 x 1080	56.25	50.00	148.500	HDTV 1080P 50Hz	HDCP
14.	1920 x 1080	67.43	59.94	148.352	HDTV 1080P 60Hz	HDCP
15.	1920 x 1080	67.50	60	148.500	HDTV 1080P 60Hz	HDCP

- HDMI PC Table

No.	Resolution	H-freq(kHz)	V-freq(Hz)	Pixel clock(MHz)	Remark
1.	720 x 400	31.468	70.08	28.321	
2.	640 x 480	31.469 37.684	59.94 75.00	25.17 31.50	VESA
3.	800 x 600	37.879 46.875	60.31 75.00	40.00 49.50	VESA
4.	832 x 624	49.725	74.55	57.283	
5.	1024 x 768	48.363 56.470 60.123	60.00 70.00 75.029	65.00 75.00 78.75	VESA(XGA)
6.	1280 x 768	47.776	59.870	79.50	VESA(WXGA)
7.	1360 x 768	47.720	59.799	84.75	VESA(WXGA)
8.	1366 x 768	47.720	59.799	84.75	Supported
9.	1920 x 1080	67.50	60.00	148.50	

* HDMI EDID DATA

1) HDMI 1

	0x00	0x01	0x02	0x03	0x04	0x05	0x06	0x07	0x08	0x09	0x0A	0x0B	0x0C	0x0D	0x0E	0x0F
0x00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	Product ID		Serial No			
0x01	Month/Year		01	03	80	46	27	78	EA	D9	B0	A3	57	49	9C	25
0x02	11	49	4B	A5	6E	00	31	40	45	40	61	40	D1	C0	01	01
0x03	01	01	01	01	01	01	02	3A	80	18	71	38	2D	40	58	2C
0x04	45	00	C4	8E	21	00	00	1E	1B	21	50	A0	51	00	1E	30
0x05	48	88	35	00	BC	86	21	00	00	1C						
0x06	Model Name												00	00	00	FD
0x07	00	32	4B	1C	43	0F	00	0A	20	20	20	20	20	20	01	C/S
0x00	02	03	21	F1	4E	02	11	01	03	12	13	04	14	05	21	1F
0x01	20	22	10	23	09	07	07	83	01	00	00	65	03	0C	00	10
0x02	00	01	1D	00	BC	52	D0	1E	20	B8	28	55	40	C4	8E	21
0x03	00	00	1E	01	1D	00	72	51	D0	1E	20	6E	28	55	00	C4
0x04	8E	21	00	00	1E	01	1D	80	D0	72	1C	16	20	10	2C	25
0x05	80	C4	8E	21	00	00	9E	8C	0A	D0	90	20	40	31	20	0C
0x06	40	55	00	C4	8E	21	00	00	18	4E	1F	00	80	51	00	1E
0x07	30	40	80	37	00	BC	88	21	00	00	18	00	00	00	00	C/A

2) HDMI 2

	0x00	0x01	0x02	0x03	0x04	0x05	0x06	0x07	0x08	0x09	0x0A	0x0B	0x0C	0x0D	0x0E	0x0F
0x00	00	FF	FF	FF	FF	FF	FF	00	1E	6D	Product ID		Serial No			
0x01	Month/Year		01	03	80	46	27	78	EA	D9	B0	A3	57	49	9C	25
0x02	11	49	4B	A5	6E	00	31	40	45	40	61	40	D1	C0	01	01
0x03	01	01	01	01	01	01	02	3A	80	18	71	38	2D	40	58	2C
0x04	45	00	C4	8E	21	00	00	1E	1B	21	50	A0	51	00	1E	30
0x05	48	88	35	00	BC	86	21	00	00	1C						
0x06	Model Name												00	00	00	FD
0x07	00	32	4B	1C	43	0F	00	0A	20	20	20	20	20	20	01	C/S
0x00	02	03	21	F1	4E	02	11	01	03	12	13	04	14	05	21	1F
0x01	20	22	10	23	09	07	07	83	01	00	00	65	03	0C	00	20
0x02	00	01	1D	00	BC	52	D0	1E	20	B8	28	55	40	C4	8E	21
0x03	00	00	1E	01	1D	00	72	51	D0	1E	20	6E	28	55	00	C4
0x04	8E	21	00	00	1E	01	1D	80	D0	72	1C	16	20	10	2C	25
0x05	80	C4	8E	21	00	00	9E	8C	0A	D0	90	20	40	31	20	0C
0x06	40	55	00	C4	8E	21	00	00	18	4E	1F	00	80	51	00	1E
0x07	30	40	80	37	00	BC	88	21	00	00	18	00	00	00	00	C/A

7. Mechanical specification

1) 26LC45/26LC55(TBD)

No.	Item		Content			Unit	Remark
1.	Product Dimension		Widt(W)	Length(D)	Height(H)	mm	
		Before Packing	676.4	221	529.2	mm	With Stant
		After Packing	881	210	560	mm	Box Out Size
2.	Product	Only SET	10.04			Kg	
		With BOX	13.04			Kg	

2) 32LC45(TBD)

No.	Item		Content			Unit	Remark
1.	Product Dimension		Widt(W)	Length(D)	Height(H)	mm	
		Before Packing	806.8	249	605.6	mm	With Stant
		After Packing	1033	210	638	mm	Box Out Size
2.	Product	Only SET	13.8			Kg	
		With BOX	17.9			Kg	

3) 32LC55(TBD)

No.	Item		Content			Unit	Remark
1.	Product Dimension		Widt(W)	Length(D)	Height(H)	mm	
		Before Packing	806.6	249	606.5	mm	With Stant
		After Packing	1230	332	867	mm	Box Out Size
2.	Product	Only SET	14.1			Kg	
		With BOX	16.6			Kg	

4) 37LC45

No.	Item		Content			Unit	Remark
1.	Product Dimension		Widt(W)	Length(D)	Height(H)	mm	
		Before Packing	926.6	280.4	697.6	mm	With Stant
		After Packing	999	264	874	mm	Box Out Size
2.	Product	Only SET	20			Kg	
		With BOX	25			Kg	

5) 37LC55

No.	Item		Content			Unit	Remark
1.	Product Dimension		Widt(W)	Length(D)	Height(H)	mm	
		Before Packing	927	280.5	692.8	mm	With Stant
		After Packing	1021	296	877	mm	Box Out Size
2.	Product	Only SET	20			Kg	
		With BOX	25			Kg	

6) 42LC45

No.	Item		Content			Unit	Remark
1.	Product Dimension		Widt(W)	Length(D)	Height(H)	mm	
		Before Packing	1032.7	287.6	750	mm	With Stant
		After Packing	1119	374	858	mm	Box Out Size
2.	Product	Only SET	24.5			Kg	
		With BOX	29.9			Kg	

6) 42LC55

No.	Item		Content			Unit	Remark
1.	Product Dimension		Widt(W)	Length(D)	Height(H)	mm	
		Before Packing	1033.1	287.6	749.5	mm	With Stant
		After Packing	1119	374	858	mm	Box Out Size
2.	Product	Only SET	24.5			Kg	
		With BOX	29.9			Kg	

ADJUSTMENT INSTRUCTION

1. Application Range

This spec. sheet is applied to all of the LD73A chassis manufactured at LG TV Plant all over the world.

2. Specification.

2.1 Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help to protect test instruments.
2.2 Adjustment must be done in the correct sequence.
2.3 The adjustment must be performed at 25±5°C emperature and 65±10% relative humidity if there is no specified designation.
2.4 The input voltage of the receiver must be kept between 100~220V, 50/60Hz.
2.5 Before adjustment, execute Heat-Run for 30 minutes at RF no signal.

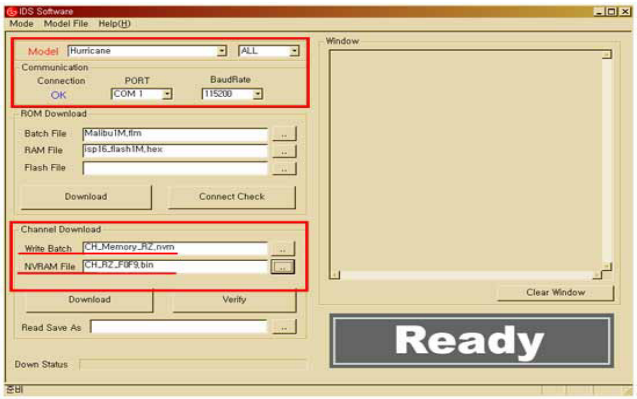
3. Channel Memory

3.1 Setting up the LGIDS
1) Install the LGIDS.
2) After installation, restart your PC.
3) Extract [files.zip] to folder [c:\LGIDS\files].
4) Start LGIDS.

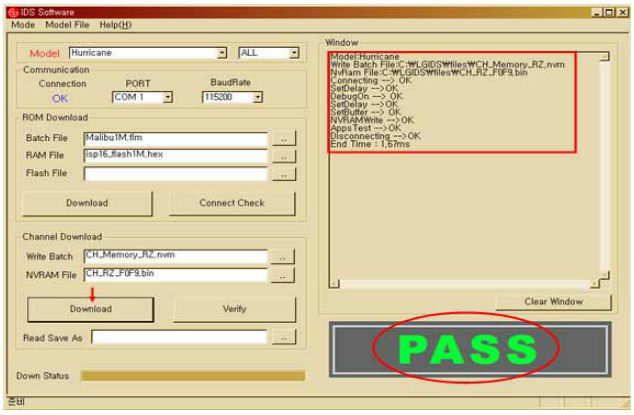
3.2 Channel memory method
1) Press TILT key in Adjust remocon(Automatic setting).
2) Setting up like bottom figure.
{Confirmation: Press ADJ Key in the Adjust remocon.
Select “System Control2” by using ▲/▼ (CH+/-) key, and press ■ (ENTER) RS-232 Host:Gprobe, Baud Rate:115200bps, Download:Cortez}

3) Connect RS232 cable (Use the general RS-232C Twisted Serial Cable).
4) Operate LGIDS.
5) Select “Hurricane” and “ALL” on Model dialog and check your connection in Communication dialog.
(If your connection is ‘NG’, then set your PORT(COM1,2,3,…) correctly. If your connection has completed, you can see **Ready**

6) Select proper CH_memory file(*.nvm) for each model at [Channel Download] [Write Batch].
Next, select proper binary file(*.bin) including the CH information for each model at [Channel Download] => [NVRAM File].



7) Click the [Download] button.
It means the completion of the CH memory download if all items show 'OK' and Status is changed by 'PASS' at the lower right corner of the window



4. ADC Calibration

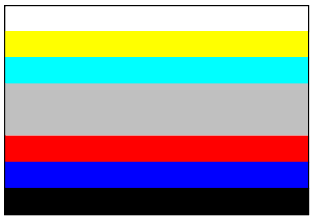
ADC	RF/AV/S-VIDEO		Component	RGB-PC
MSPG925FS	PAL		Model:215(720P)	Model:3
	INPUT SELECT	AV3	Pattern:65	(1024x768 768Hz)
	Model:202(PAL-BGDHI)		*720P/50Hz	Pattern:65
	Pattern:65		7 Color Bar	
	*PAL 7 Color Bar			

=> Caution: - System control RS-232 Host should be “PC” for adjustment.
- Before AV ADC Calibration, execute the “Module selection”

4.1 Adjustment of RF / AV / S-VIDEO
* Required Equipments
● Remote controller for adjustment.
● MSPG-925FS Pattern Generator (Which has Video Signal: 7 ColorBar Pattern shown in Fig. 1)
=> Model: 202 / Pattern: 65

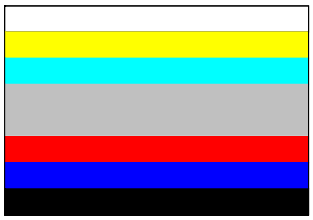
4.1.1 Method of Auto RF / AV / S-VIDEO Color Balance (PAL_BGDHI).

1) Input the Video Signal: 7 Color Bar signal into AV3.
2) Set the PSM to Dynamic mode in the Picture menu.



[Fig.1]

3) Press IN-START key on R/C for adjustment.



4) Press the ▶ (Vol. +) key to operate the set, then it becomes automatically.
5) Auto-RGB OK means the adjustment is completed.

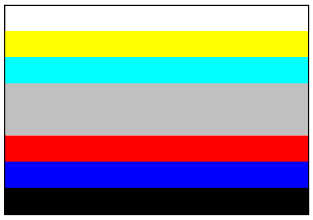
4.2 Adjustment of Component

※ Required Equipments

- Remote controller for adjustment
- MSPG-925FS Pattern Generator. (Which has 720p/50Hz YPbPr output Pattern shown in Fig. 2)
  => Model: 215 / Pattern: 65

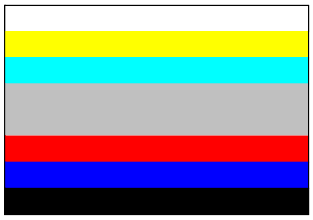
4.2.1 Method of Auto Component Color Balance

1) Input the Component 720p/50Hz 7 Color Bar (MSPG-925FS model:215, pattern:65) signal into Component.
2) Set the PSM to Dynamic mode in the Picture menu.



[Fig.2]

3) Press the IN-START key on R/C for adjustment.
4) Press the ▶ (Vol. +) key to operate the set , then it becomes automatically.



5) Auto-RGB OK means the adjustment is completed.

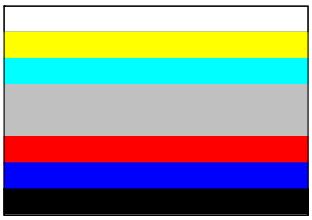
4.3 Adjustment of Component

※ Required Equipments

- Remote controller for adjustment
- MSPG-925FS Pattern Generator. (Which has 720p/50Hz YPbPr output Pattern shown in Fig. 3)
  => Model: 215 / Pattern: 65

4.3.1 Method of Auto Component Color Balance

1) Input the Component 720p/50Hz 7 Color Bar (MSPG-925FS model:215, pattern:65) signal into Component.
2) Set the PSM to Dynamic mode in the Picture menu.



[Fig.3]

3) Press the IN-START key on R/C for adjustment.
4) Press the ▶(Vol. +) key to operate the set , then it becomes automatically.

5) Auto-RGB OK means the adjustment is completed.

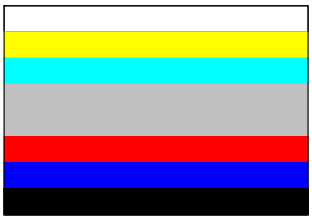
4.4 Adjustment of RGB

※ Required Equipments

- Remote controller for adjustment
- MSPG-925FS Pattern Generator(Which has XGA [1024*768] 60Hz 8 color bar 100% pattern shown in Fig. 4)

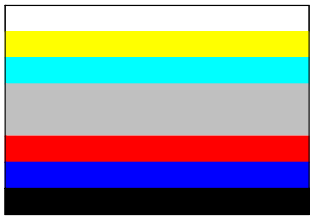
4.4.1 Method of Auto RGB Color Balance

1) Input the PC 1024x768 @ 60Hz 7 Color Bar (MSPG-925FS model:3, pattern:65) signal into RGB. (using D-sub to D-sub cable)
2) Set the PSM to Dynamic mode in Picture menu.
3) Press the IN-START key on R/C for adjustment.



[Fig.4]

4) Press the ▶(Vol. +) key operate To set , then it becomes automatically.



5) Auto-RGB OK means adjustment is completed.

Before adjusting White-balance , the AV ADC should be done.

5. White Balance

* Test Equipment
Color Analyzer (CA-210/CH.9)
When you adjust LCD color temperature, on Color analyzer (CA-210), you should use Channel 9 which is Matrix compensated (White, Red, Green, Blue revised) by CS-1000 and adjust in accordance with White balance adjustment coordinate which is specified on the next..

● Auto-control interface and directions

1. Adjust in the place where the influx of light like floodlight around is blocked. (illumination is less than 10ux).
2. -. In case of PDP: Measure and adjust after sticking the Color Analyzer (CA-100+, CA-210) to the side of the module.
   -. In case of LCD: Adhere closely the Color Analyzer (CA-210) to the module less than 10cm distance, keep it with the surface of the Module and Color Analyzer's Prove vertically.(80~100°).
3. Aging time
   -. After aging start, keep the power on (no suspension of power supply) and heat-run over 15 minutes.
   -. In case of PDP, keep white pattern using inside pattern.
   -. In case of LCD, using 'no signal' or 'full white pattern' or the others, check the back light on.

5.1 Manual white Balance

One of R Gain / G Gain / B Gain should be kept on 80, and others are controlled lowering from 80

1) Press 'power on' of the control R/C, set heat run to white by pressing ▶ , and heat run over 15 minutes
(Set: RS-233 Host: PC, Baud Rate: 115200bps, Download: Cortez).
2) Zero Calibrate CA-210, and when controlling, stick the sensor to the center of LCD module surface.
3) Double click In-start key on Controlling R/C and get in 'white balance'.
4) Set test-pattern on and display inside pattern. Control is carried out on three color temperature, COOL, MEDIUM, WARM. (Control is carried out three times,)
5) When the R/G/B GAIN is 80 on OSD, it is the FULL DYNAMIC Range of the Module. In order to control white balance without the saturation of FULL DYNAMIC Range and DATA, one of R Gain / G Gain / B Gain should be kept on 80, and other two is controlled lowering from 80.

* Color Temperature: Cool, Medium, Warm

1. When R GAIN is set to 80
 - Control G GAIN and B GAIN by lowering from 80.
2. When B GAIN is set to 80
 - Control R GAIN and G GAIN by lowering from 80.
3. When G GAIN is set to 80
- Control R GAIN and B GAIN by lowering from 80.

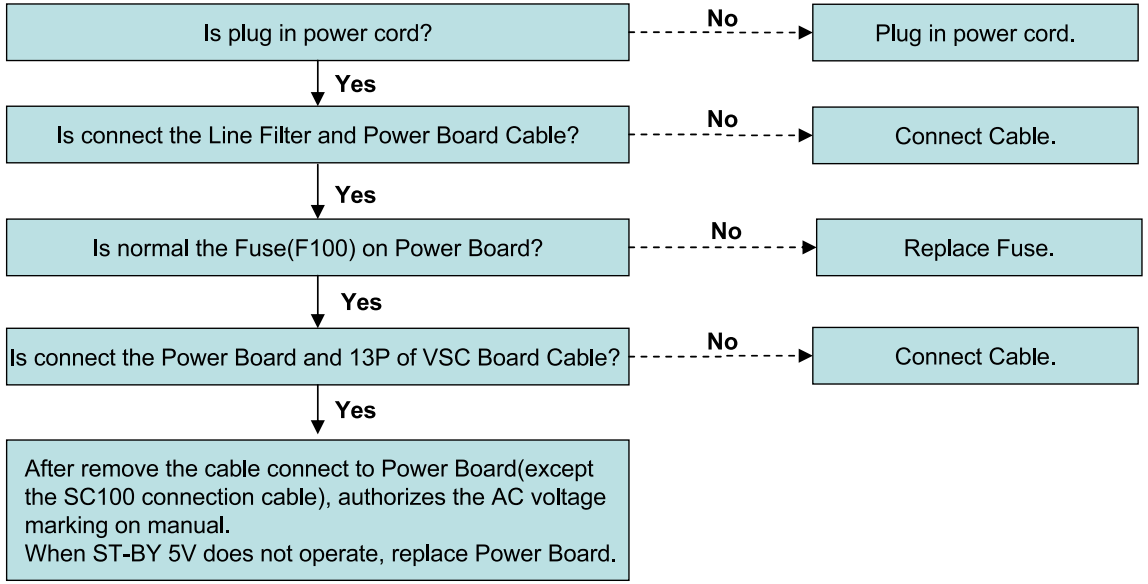
One of R Gain / G Gain / B Gain should be kept on 80, and adjust other two lower than 80.
(When R/G/B GAIN are all 80, it is the FULL DYNAMIC Range of Module)

1. No Power

Symptom

1) Doesn't minute discharge at module.
2) Non does not come in into the front LED.

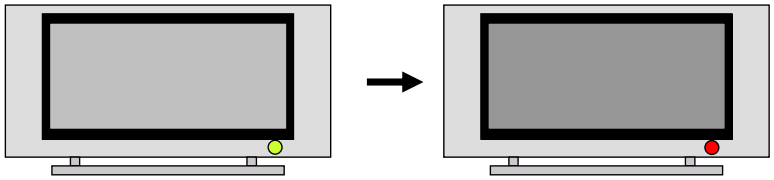
Check follow



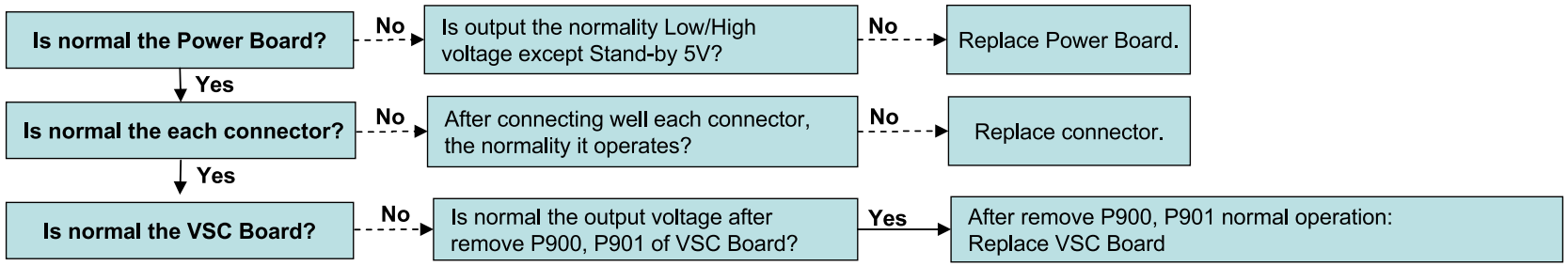
2. Protect Mode

Symptom

1) After once shining, it does not discharge minutely from module.
2) The Rely falls(The sound is audible “click”)
3) It is converted with the color where the front LED is red from green.



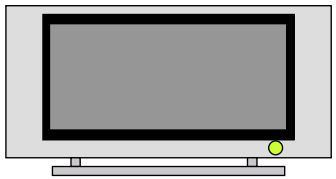
Check follow



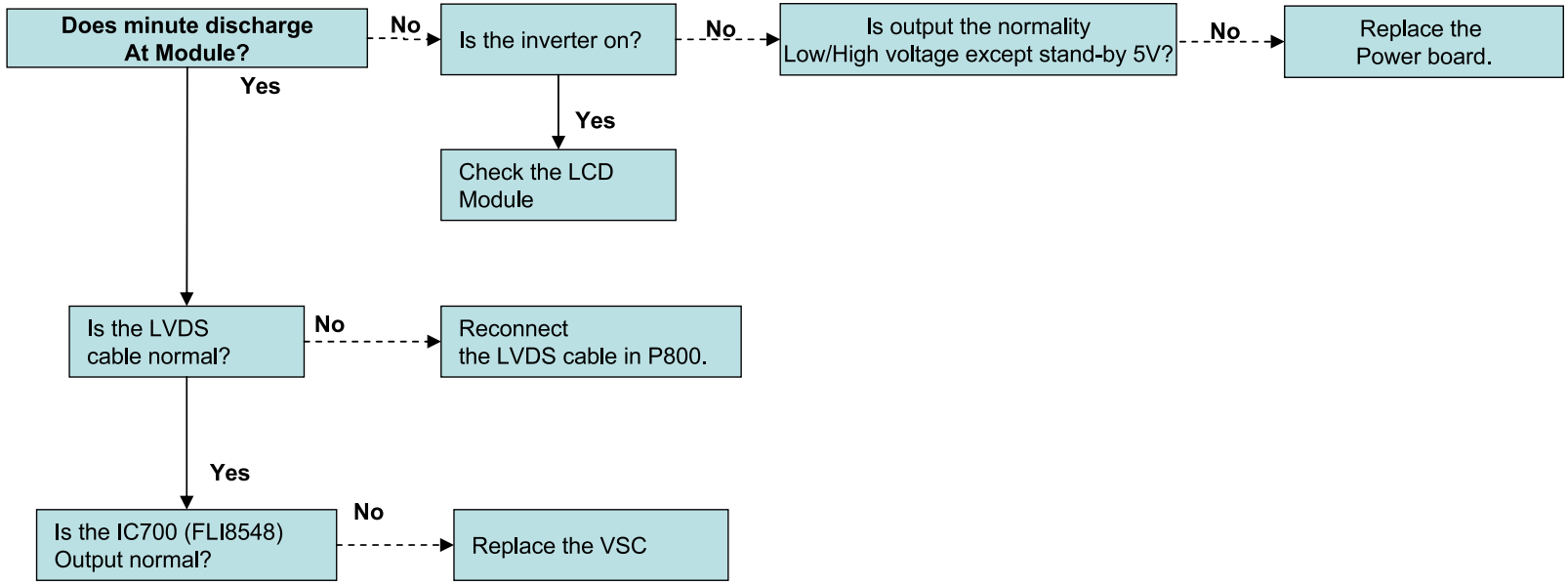
3. No Raster

Symptom

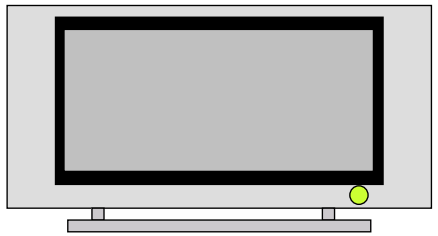
1) No OSD and image occur at screen.
2) It maintains the condition where the front LED is green.



Check follow



4. In case of occur strange screen into specific mode

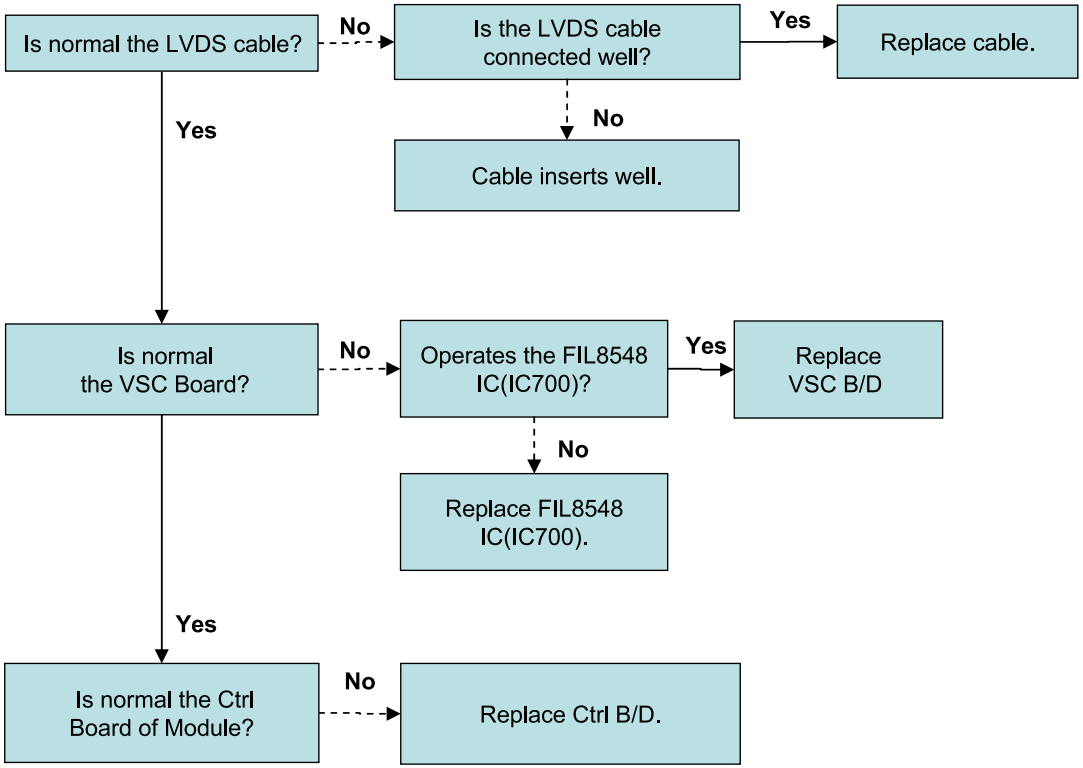


1) In case of does't display the OSD

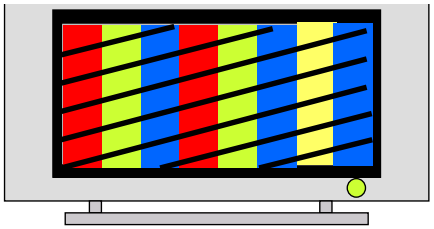
Symptom

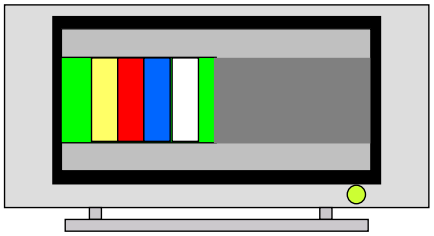
1) LED is green
2) The minute discharge continuously becomes accomplished from module

Check follow



2) **In case of does't display the screen into specific mode**





Symptom

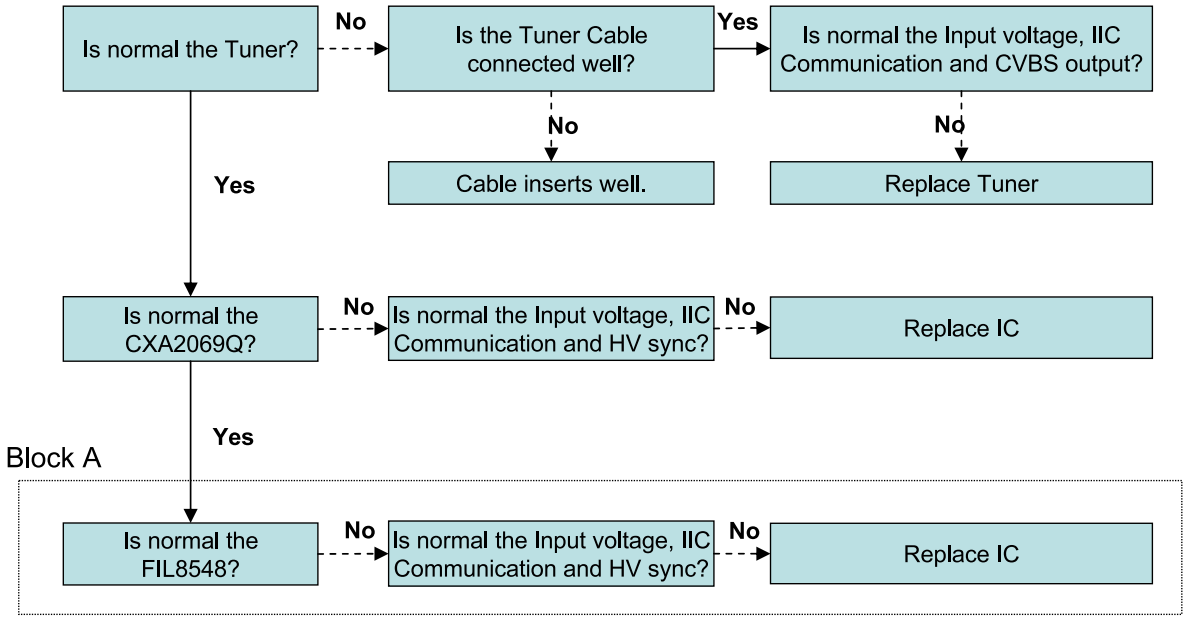
=> The screen does not become the display from specific input mode (RF, AV, Component, RGB, DVI).

Check follow

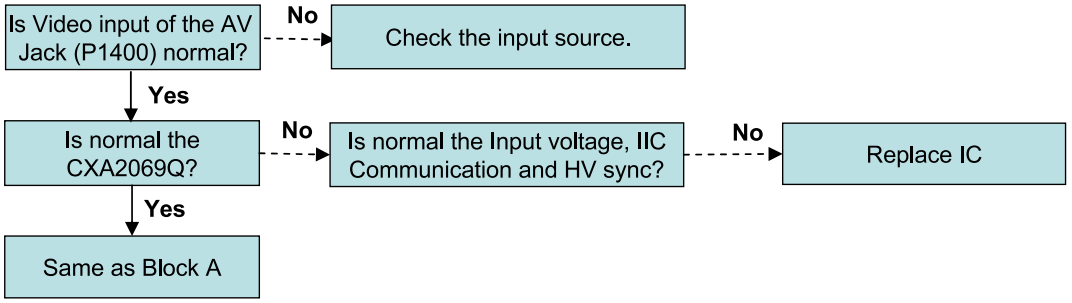
=> Check the all input mode should become normality display.

=> Check the Video(Main)/Data(Sub), Video(Main)/Video(Sub) should become normality display from the PIP mode or DW mode. (Re-Check it Swap)

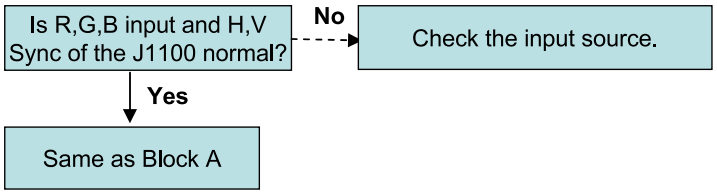
In case of becomes unusual display from RF mode



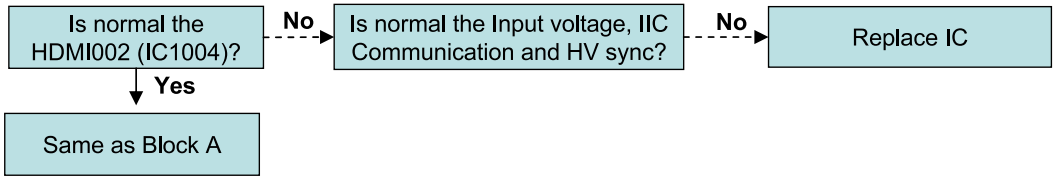
In the case of becomes unusual display from side S-video/AV mode



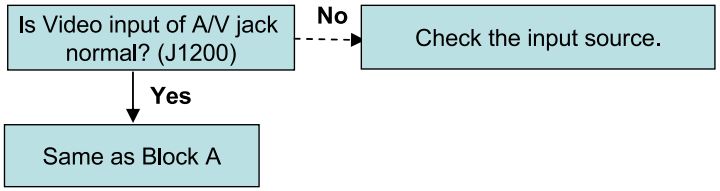
In the case of becomes unusual display from Component, RGB mode



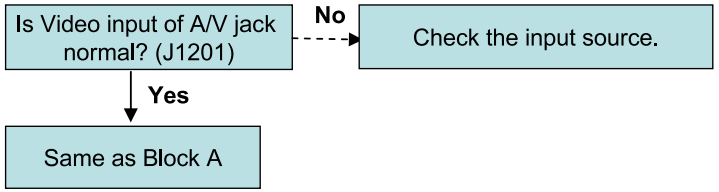
In the case of becomes unusual display from HDMI mode



In the case of becomes unusual display from SCART1 mode



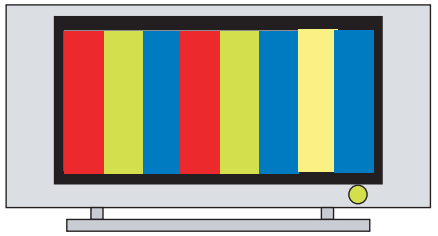
In the case of becomes unusual display from SCART2 mode



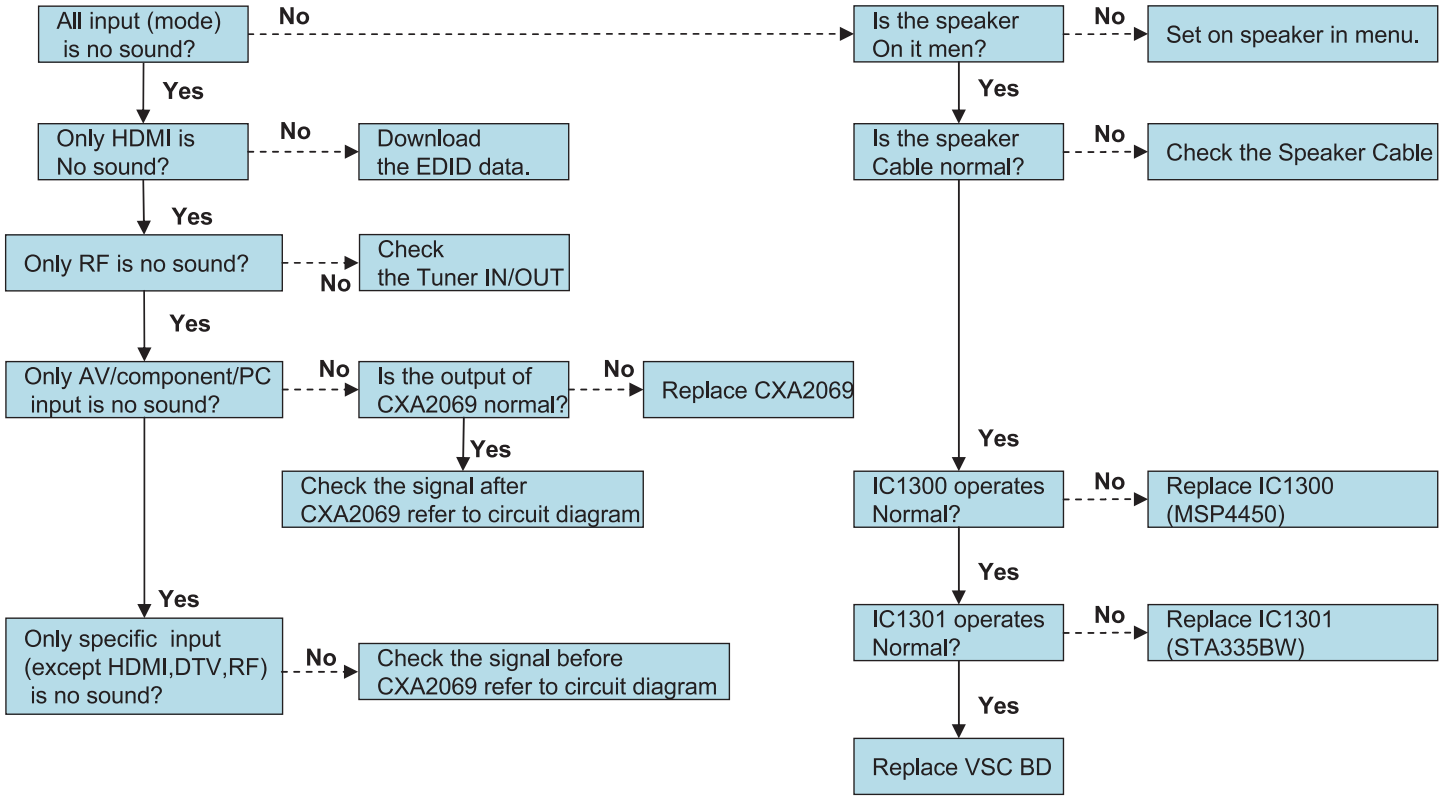
5. In case of no sound

Symptom

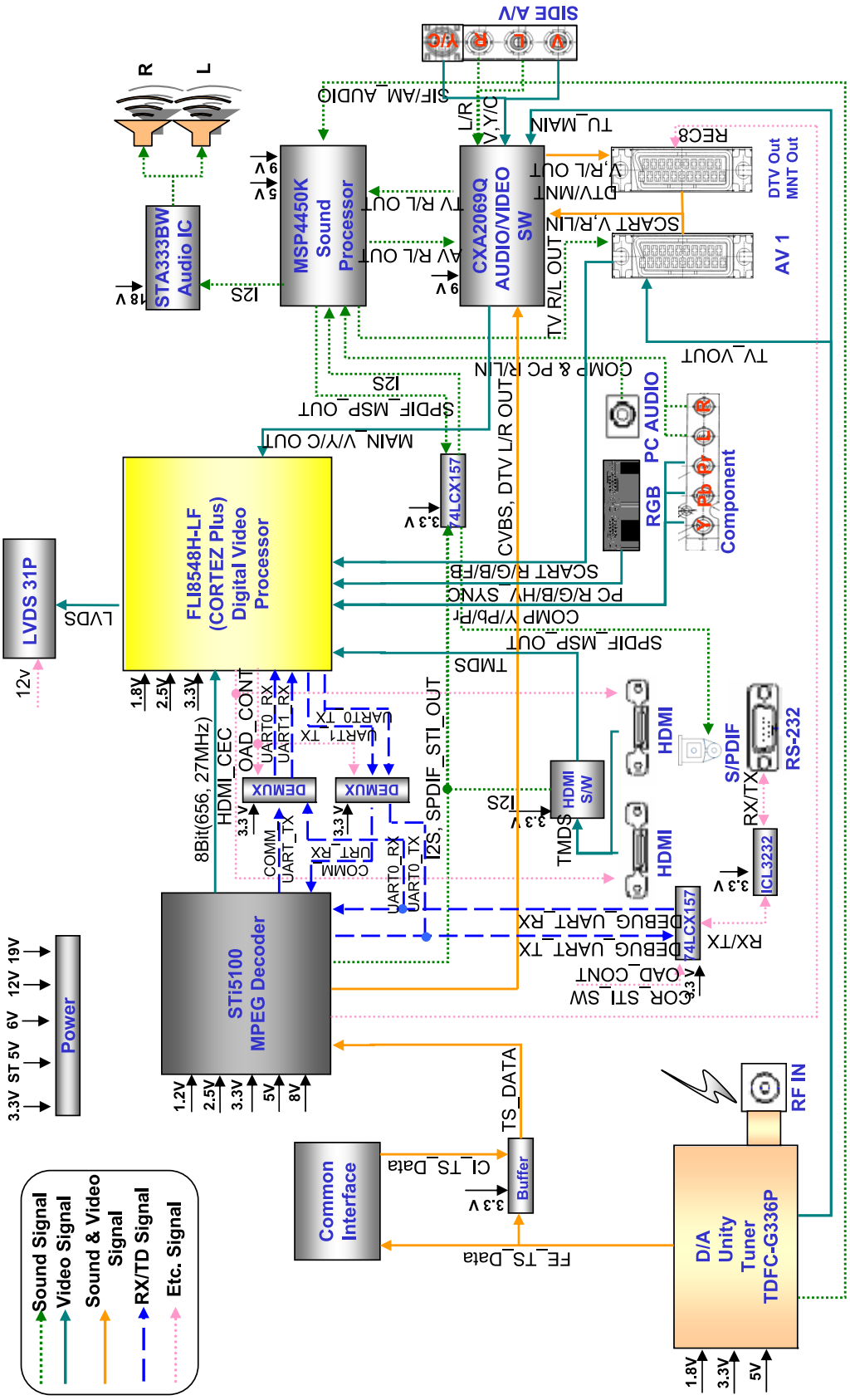
1) LED is green
2) Screen display but sound is not output



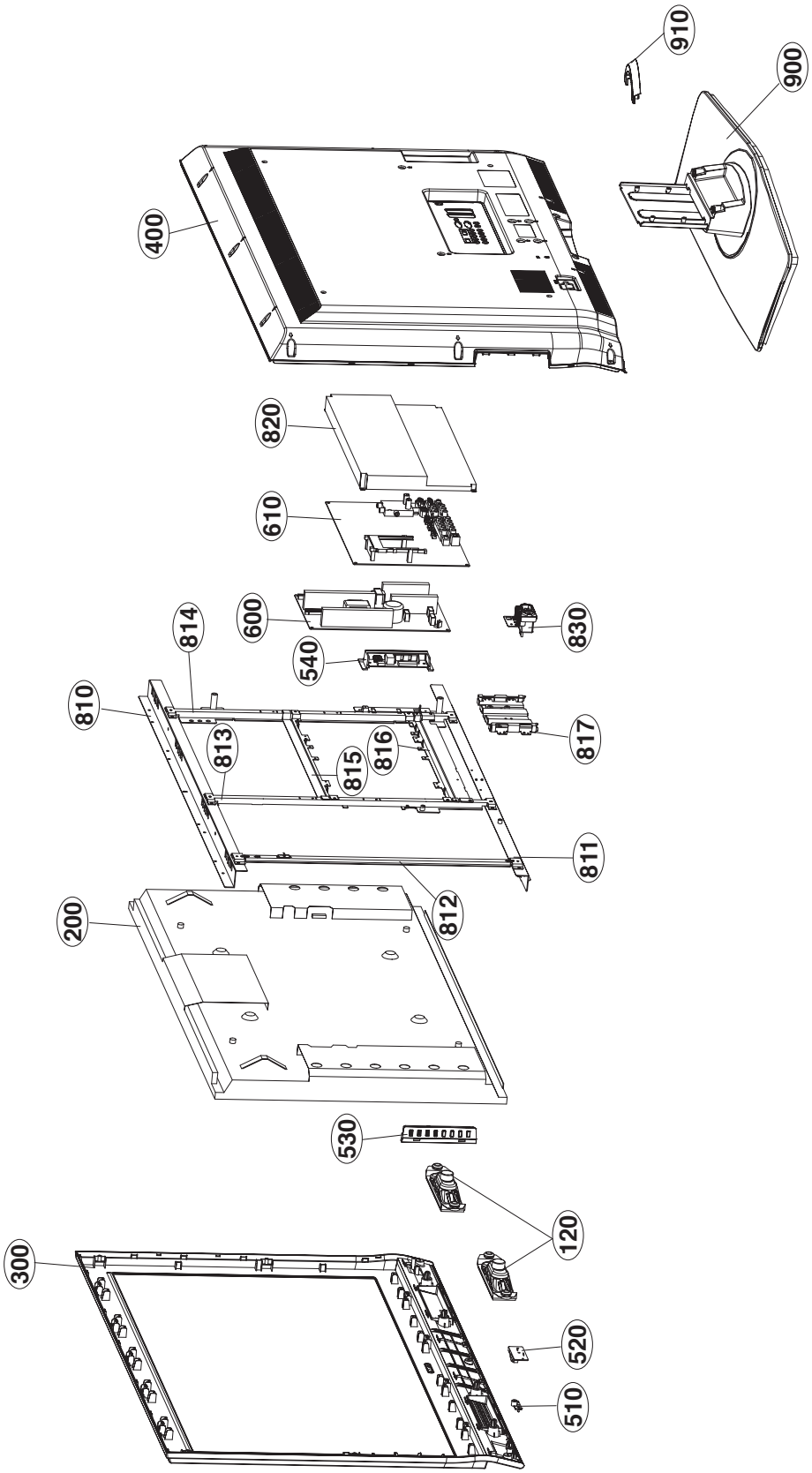
Check follow



BLOCK DIAGRAM



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

No.		PART NO.	DESCRIPTION
	120	EAB33775101	Speaker,Full Range, EN1562C-6712 ND 10W 8OHM 82DB 100HZ 193.5 X 42 X 39.9 LUG KOREA TOPTONE
⚠	200	EAJ36547901	LCD,Module-TFT, LC420WX6-SLA2 WXGA 42INCH 1366X768 500CD COLOR 72% 16/9 1000:1(DCR 5000:1) 5ms(GTG),Zero RT Pol. 10000K LG PHILIPS LCD
⚠	300	ABJ31687105	Cabinet Assembly, 42LC4R-ZA LP78A 42" CABINET ASSY CSKD
⚠	400	ACQ31687017	Cover Assembly,Rear, 42LC45-ZA LD73A 42" 42LC45-ZA BACK COVER ASSY LGEWR LOCAL(NO CI SLOT)
	510	MES32421701	Indicator, MOLD PMMA LED&PRE AMP 26LC4D-AA PMMA 2 PHY -
	520	EBR36135501	PCB Assembly,Sub, SUB T.T LD73A 42LC4D-ZA AEUVLHX IR/LED TOTAL
	530	EBR34778401	PCB Assembly,Sub, SUB T.T LD73A 37LC4D-ZN AEULLHX CONTROL TOTAL
	540	EBR34778601	PCB Assembly,Sub, SUB T.T LD73A 37LC4D-ZN AEULLHX SIDE A/V TOTAL
⚠	600	EAY34797001	Power Supply Assembly, Tornado 42inch 42INCH Tornado 42inch LCD LGIT LCD Tornado 42inch (Power+Inverter) ¥Î«¸ PSU LG INNOTEK.,LTD.
	610	EBR37029703	PCB Assembly,Main, MAIN1 T.T LD73A 42LC7D-ZN SEUVLJG Separation-Tuner MAIN TOTAL
	810	MGJ32902301	Plate, PRESS EGI 1.2 FRAME SBHG-A 42LY3 METAL BAR TOP FOR LPL MODULE
	811	MGJ32902403	Plate, PRESS EGI 1.6 FRAME SBHG-A 42LC4 METAL BAR BOTTOM ('c'ƒŒ pem-nut 'NO') FOR LPL MODULE
	812	MJH34248201	Supporter, PRESS EGI 1.2 GUIDE EGI METAL BAR LEFT FOR V668 MODULE
	813	MGJ32902704	Plate, PRESS EGI 1.2 FRAME SBHG-A 42LC4 METAL BAR CENTER('c'ƒŒ pem nut 'NO') V668 module
	814	MGJ32902502	Plate, PRESS EGI 1.2 FRAME SBHG-A 42LC4 METAL BAR RIGHT
	815	MGJ32902803	Plate, PRESS EGI 1.2 FRAME SBHG-A METAL BAR SIDE TOP FOR Europass3
	816	MGJ32902903	Plate, PRESS EGI 1.2 FRAME SBHG-A METAL BAR SIDE BOTTOM FOR Europass3
	817	MJH34000501	Supporter, PRESS EGI 2 GUIDE EGI 42LC4 METAL STAND SUPPORTER
	820	MJH32521105	Supporter, PRESS EGI 0.5t GUIDE EGI METAL, REAR SHIELD (37LC4D-ZA),C/SKD
	830	EAM35501401	Filter,AC Line, IF3-N06CEWL1 5.3mH 250VAC 6A 0.22uF 1000pF UL/CSA/VDE/K HOUSING/RING BK DONG IL TECHNOLOGY LTD.
⚠	900	AAN33050304	Base Assembly, STAND 42LB5DF-UC LA73A EV3, FHD 42LB5DF-UC STAND ASSY_NO_PRINT C/SKD(HIGH GLOSSY ROUND TYPE)
	910	MCK32929601	Cover, MOLD ABS HF-380 42LC4 ABS, HF-380 CABLE MANAGEMENT

REPLACEMENT PARTS LIST

DATE: 2007. 05. 29.

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
		ACCESSORY
A1	MFL34441603	"Manual,Owners" PRINTING USER LD61C LG
A2	MKJ32022813	Remote ControllerCOMPLEX LD73A 26LC4 EU
A21	3550V00590A	CoverMOLD BATTERY TN-50PY2
A3	6410TEW010A	Power Cord"CEE,LP-34A&H05VV-FX3C,"
A4	341-746B	HolderMOLD ABS CABLE Holder
A5	EBY36717302	Circuit DiagramDIAGRAM LD73A ITALIAN
A6	SAC30033609	Title26LC45-ZA/42PC55-ZB CD
	CAPACITORs	
C101	0CE476VF6DC	"Capacitor,AL,Chip"VGV476M016S0ANE010 47u
C102	0CE106WFKDC	"Capacitor,AL,Chip"MVK4.0TP16VC10M 10uF 2
C102	0CE476VF6DC	"Capacitor,AL,Chip"VGV476M016S0ANE010 47u
C103	0CE476VF6DC	"Capacitor,AL,Chip"VGV476M016S0ANE010 47u
C1068	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C110	0CE106WFKDC	"Capacitor,AL,Chip"MVK4.0TP16VC10M 10uF 2
C118	0CE106WFKDC	"Capacitor,AL,Chip"MVK4.0TP16VC10M 10uF 2
C1217	0CE106WH6DC	"Capacitor,AL,Chip"MVK5.0TP25VC10M 10uF 2
C1225	0CE106WH6DC	"Capacitor,AL,Chip"MVK5.0TP25VC10M 10uF 2
C1232	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C1236	0CE106WH6DC	"Capacitor,AL,Chip"MVK5.0TP25VC10M 10uF 2
C1237	0CE106WH6DC	"Capacitor,AL,Chip"MVK5.0TP25VC10M 10uF 2
C1247	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C1309	0CE475WK6DC	"Capacitor,AL,Chip"MVK5.0TP50VC4.7M 4.7uF
C1310	0CE475WK6DC	"Capacitor,AL,Chip"MVK5.0TP50VC4.7M 4.7uF
C1313	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C1319	0CE335WK6D8	"Capacitor,AL,Chip"MVK4.0TP50VC3.3M 3.3uF
C1325	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C1341	0CE335WK6D8	"Capacitor,AL,Chip"MVK4.0TP50VC3.3M 3.3uF
C1343	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C1344	0CE106WH6DC	"Capacitor,AL,Chip"MVK5.0TP25VC10M 10uF 2
C1345	0CE106WH6DC	"Capacitor,AL,Chip"MVK5.0TP25VC10M 10uF 2
C1350	0CE106WFKDC	"Capacitor,AL,Chip"MVK4.0TP16VC10M 10uF 2
C1400	0CE475WK6DC	"Capacitor,AL,Chip"MVK5.0TP50VC4.7M 4.7uF
C1401	0CE475WK6DC	"Capacitor,AL,Chip"MVK5.0TP50VC4.7M 4.7uF
C1407	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C1408	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C1410	0CE476WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC47M 47uF 2
C1708	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C181	0CE106WFKDC	"Capacitor,AL,Chip"MVK4.0TP16VC10M 10uF 2
C226	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C227	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C412	0CE106WFKDC	"Capacitor,AL,Chip"MVK4.0TP16VC10M 10uF 2
C414	0CE106WFKDC	"Capacitor,AL,Chip"MVK4.0TP16VC10M 10uF 2
C515	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C517	0CE227WF6DC	"Capacitor,AL,Chip"MVK8.0TP16VC220M 220uF
C519	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C522	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C523	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C524	0CE477WF6DC	"Capacitor,AL,Chip"MVK10TP16VC470M 470uF
C527	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C528	0CE227WF6DC	"Capacitor,AL,Chip"MVK8.0TP16VC220M 220uF
C533	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C534	0CE227WF6DC	"Capacitor,AL,Chip"MVK8.0TP16VC220M 220uF
C541	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C543	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C548	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C549	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C611	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C612	0CE476WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC47M 47uF 2
C613	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C630	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C638	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C639	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C640	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C701	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C705	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C723	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C727	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C736	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C740	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C743	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C758	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C765	0CE476WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC47M 47uF 2
C793	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C796	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C797	0CE476WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC47M 47uF 2
C801	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C803	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C822	0CE226WF6DC	"Capacitor,AL,Chip"MVK5.0TP16VC22M 22uF 2
C835	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C852	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C853	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C901	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C903	0CE476WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC47M 47uF 2
C907	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C912	0CE476WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC47M 47uF 2
C915	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C924	0CE107WH6DC	"Capacitor,AL,Chip"MVK8.0TP25VC100M 100uF
C925	0CE227WF6DC	"Capacitor,AL,Chip"MVK8.0TP16VC220M 220uF
C928	0CE227WF6DC	"Capacitor,AL,Chip"MVK8.0TP16VC220M 220uF
C929	0CE227WF6DC	"Capacitor,AL,Chip"MVK8.0TP16VC220M 220uF
C937	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C954	0CE477WF6DC	"Capacitor,AL,Chip"MVK10TP16VC470M 470uF
C957	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C958	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C959	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C969	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C970	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C971	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C975	0CE107WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC100M 100uF
C981	0CE476WF6DC	"Capacitor,AL,Chip"MVK6.3TP16VC47M 47uF 2
C1302	0CE108EH618	"Capacitor,AL,Radial"KMG5.0TP25VB1000M 1000
C1	0CH3104K566	"Capacitor,Ceramic,Chip"0805B104K500CT 100nF 1
C100	0CC470CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H470JT 47pF 5
C100	0CH5101K416	"Capacitor,Ceramic,Chip"C2012C0G1H101JT 100pF
C100	0CH5101K416	"Capacitor,Ceramic,Chip"C2012C0G1H101JT 100pF
C1003	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1004	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1005	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1006	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1007	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1008	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1009	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C101	0CH5101K416	"Capacitor,Ceramic,Chip"C2012C0G1H101JT 100pF
C101	0CK103BH56A	"Capacitor,Ceramic,Chip"C1005X7R1E103KT- 10nF
C1010	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C103	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C104	0CH5471K416	"Capacitor,Ceramic,Chip"C2012C0G1H471JT 470pF
C104	0CK105CD56A	"Capacitor,Ceramic,Chip"C1608X7R1A105KT 1uF 10
C105	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C106	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C107	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C108	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C109	0CK105CD56A	"Capacitor,Ceramic,Chip"C1608X7R1A105KT 1uF 10
C1104	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1105	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1106	0CC120CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H120JT 12pF 5
C1108	0CC120CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H120JT 12pF 5
C111	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1116	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1119	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C112	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1120	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1121	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1123	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1125	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1128	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C113	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1133	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C1134	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C1135	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1136	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C114	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C115	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C116	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C117	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C119	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C120	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1205	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1206	0CK102CK56A	"Capacitor,Ceramic,Chip"0603B102K500CT 1nF 10%
C1207	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1208	0CK102CK56A	"Capacitor,Ceramic,Chip"0603B102K500CT 1nF 10%
C121	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C122	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C123	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1234	0CK102CK56A	"Capacitor,Ceramic,Chip"0603B102K500CT 1nF 10%
C1235	0CK102CK56A	"Capacitor,Ceramic,Chip"0603B102K500CT 1nF 10%
C1239	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C124	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1244	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1246	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C125	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C126	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C127	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C128	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C129	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C130	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1300	0CK105DH56A	"Capacitor,Ceramic,Chip"C2012X7R105KFT 1uF 10%
C1301	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1303	0CK105DH56A	"Capacitor,Ceramic,Chip"C2012X7R105KFT 1uF 10%
C1304	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1305	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1306	0CK222CK56A	"Capacitor,Ceramic,Chip"0603B222K500CT 2.2nF 1
C1307	0CK682CK51A	"Capacitor,Ceramic,Chip"C1608Y5P1H682KT 6.8nF
C1308	0CK682CK51A	"Capacitor,Ceramic,Chip"C1608Y5P1H682KT 6.8nF
C131	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1311	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1312	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1314	0CC030CK01A	"Capacitor,Ceramic,Chip"0603N3R0C500LT 3pF 0.2
C1315	0CC030CK01A	"Capacitor,Ceramic,Chip"0603N3R0C500LT 3pF 0.2
C1316	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1317	0CC560CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H560JT 56pF 5
C1318	0CC560CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H560JT 56pF 5
C132	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1320	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C1321	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C1322	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1326	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C1327	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1329	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C133	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1330	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1332	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C1333	0CC101CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H101JT 100pF
C1335	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C1338	0CK471CK56A	"Capacitor,Ceramic,Chip"C1608X7R1H471KT 470pF
C134	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1340	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1342	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1346	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C1347	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C135	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1351	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1352	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1353	0CK222CK56A	"Capacitor,Ceramic,Chip"0603B222K500CT 2.2nF 1
C1354	0CC102CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H102JT 1nF 5%
C1355	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1356	0CC101CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H101JT 100pF

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C1357	0CC221CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H221JT 220pF
C1358	0CH2122K516	"Capacitor,Ceramic,Chip"0805B122K500CT 1.2nF 1
C1359	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C136	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1360	0CC331CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H331JT 330pF
C1361	0CC331CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H331JT 330pF
C1362	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1363	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1364	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1365	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1366	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1367	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1368	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1369	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C137	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1373	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C138	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C139	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C140	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1402	0CK682CK51A	"Capacitor,Ceramic,Chip"C1608Y5P1H682KT 6.8nF
C1403	0CK682CK51A	"Capacitor,Ceramic,Chip"C1608Y5P1H682KT 6.8nF
C1404	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1409	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C141	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1411	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1412	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1413	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1418	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C1419	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C142	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1420	0CK225DFK4A	"Capacitor,Ceramic,Chip"C2012Y5V1C225MT 2.2uF
C1421	0CC820CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H820JT 82pF 5
C1422	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C1423	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C1426	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C1428	0CK225DFK4A	"Capacitor,Ceramic,Chip"C2012Y5V1C225MT 2.2uF
C1429	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C143	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1439	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C144	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1440	0CK225DFK4A	"Capacitor,Ceramic,Chip"C2012Y5V1C225MT 2.2uF
C1441	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C1442	0CK225DFK4A	"Capacitor,Ceramic,Chip"C2012Y5V1C225MT 2.2uF
C1444	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C1445	0CK225DFK4A	"Capacitor,Ceramic,Chip"C2012Y5V1C225MT 2.2uF
C1447	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C1448	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C1449	0CK225DFK4A	"Capacitor,Ceramic,Chip"C2012Y5V1C225MT 2.2uF
C145	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1450	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1451	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C1452	0CC150CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H150JT 15pF 5
C1453	0CC150CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H150JT 15pF 5
C146	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C147	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C148	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C149	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C150	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C151	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C152	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C153	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C154	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C155	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C156	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C157	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C158	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C159	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C160	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C161	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C162	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C163	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C164	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C165	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C166	EAE32755801	"Capacitor,Ceramic,Chip"CL31A106K5HNNNE 10uF 1
C167	EAE32755801	"Capacitor,Ceramic,Chip"CL31A106K5HNNNE 10uF 1
C168	EAE32755801	"Capacitor,Ceramic,Chip"CL31A106K5HNNNE 10uF 1
C169	0CC100CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H100JT 10pF 5
C170	0CC220CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H220JT 22pF 5
C1700	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1701	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C1702	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1703	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1704	0CK105CD56A	"Capacitor,Ceramic,Chip"C1608X7R1A105KT 1uF 10
C1705	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1706	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1707	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C1709	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C171	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1710	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C172	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C173	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C174	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C175	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C176	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C177	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C178	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C179	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C180	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C182	0CK105CD56A	"Capacitor,Ceramic,Chip"C1608X7R1A105KT 1uF 10
C183	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C184	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C185	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C186	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C187	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C188	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C189	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C190	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C191	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C192	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C193	0CK822CK46A	"Capacitor,Ceramic,Chip"0603B822J500CT 8.2nF 1

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C194	0CK822CK46A	"Capacitor,Ceramic,Chip"0603B822J500CT 8.2nF 1
C195	0CC220CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H220JT 22pF 5
C196	0CC100CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H100JT 10pF 5
C197	0CK475CC94A	"Capacitor,Ceramic,Chip"C1608Y5V0J475ZT 4.7uF
C198	0CK475CC94A	"Capacitor,Ceramic,Chip"C1608Y5V0J475ZT 4.7uF
C199	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C200	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C201	0CC470CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H470JT 47pF 5
C202	0CC101CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H101JT 100pF
C203	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C204	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C206	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C207	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C209	EAE32755801	"Capacitor,Ceramic,Chip"CL31A106K5HNNNE 10uF 1
C212	EAE32755801	"Capacitor,Ceramic,Chip"CL31A106K5HNNNE 10uF 1
C213	EAE32755801	"Capacitor,Ceramic,Chip"CL31A106K5HNNNE 10uF 1
C216	EAE32755801	"Capacitor,Ceramic,Chip"CL31A106K5HNNNE 10uF 1
C218	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C219	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C220	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C221	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C222	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C224	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C228	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C229	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C230	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C231	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C232	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C233	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C234	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C235	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C236	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C237	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C238	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C239	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C240	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C241	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C242	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C243	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C301	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C302	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C303	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C306	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C307	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C308	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C309	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C310	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C311	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C312	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C313	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C314	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C409	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C410	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C411	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C413	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C415	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C429	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C430	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C516	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C518	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C520	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C521	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C525	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C526	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C529	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C530	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C531	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C532	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C535	0CK105CD56A	"Capacitor,Ceramic,Chip"C1608X7R1A105KT 1uF 10
C537	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C539	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C540	0CK105CD56A	"Capacitor,Ceramic,Chip"C1608X7R1A105KT 1uF 10
C542	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C544	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C550	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C551	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C553	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C554	0CK105CD56A	"Capacitor,Ceramic,Chip"C1608X7R1A105KT 1uF 10
C555	0CK105CD56A	"Capacitor,Ceramic,Chip"C1608X7R1A105KT 1uF 10
C601	0CC101CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H101JT 100pF
C602	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C603	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C604	0CC100CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H100JT 10pF 5
C605	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C606	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C608	0CC101CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H101JT 100pF
C609	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C610	0CC271CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H271JT 270pF
C615	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C616	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C623	0CC470CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H470JT 47pF 5
C624	0CC470CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H470JT 47pF 5
C625	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C626	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C627	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C633	0CK475CC94A	"Capacitor,Ceramic,Chip"C1608Y5V0J475ZT 4.7uF
C635	0CK472CK56A	"Capacitor,Ceramic,Chip"0603B472K500CT 4.7nF 1
C636	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C637	0CK472CK56A	"Capacitor,Ceramic,Chip"0603B472K500CT 4.7nF 1
C641	0CC470CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H470JT 47pF 5
C642	0CC470CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H470JT 47pF 5
C643	0CK475DD56A	"Capacitor,Ceramic,Chip"C2012X7R1A475KT 4.7uF
C700	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C702	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C703	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C704	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C706	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C707	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C708	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C709	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C710	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C711	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C712	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C713	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C714	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C715	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C716	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C717	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C718	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C721	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C722	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C724	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C725	0CC200CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H200JT 20pF 5
C726	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C728	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C729	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C730	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C732	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C733	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C734	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C737	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C738	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C739	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C741	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C742	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C744	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C745	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C746	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C747	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C748	0CK105CD56A	"Capacitor,Ceramic,Chip"C1608X7R1A105KT 1uF 10
C749	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C750	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C751	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C752	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C753	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C754	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C755	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C756	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C757	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C759	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C760	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C761	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C762	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C763	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C764	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C766	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C767	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C768	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C769	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C770	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C771	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C772	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C773	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C774	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C775	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C776	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C777	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C778	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C779	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C780	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C781	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C782	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C783	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C784	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C785	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C786	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C787	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C788	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C789	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C790	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C791	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C792	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C794	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C795	0CC220CK41A	"Capacitor,Ceramic,Chip"C1608C0G1H220JT 22pF 5
C798	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C799	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C800	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C802	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C805	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C806	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C807	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C810	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C812	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C813	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C814	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C815	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C817	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C818	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C824	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C826	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C828	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C830	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C831	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C834	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C836	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C838	0CK225DH94A	"Capacitor,Ceramic,Chip"C2012Y5V225ZFT 2.2uF -
C840	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C841	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C844	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C846	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C847	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C850	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C851	0CK225DFK4A	"Capacitor,Ceramic,Chip"C2012Y5V1C225MT 2.2uF
C854	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C855	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C856	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C857	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C859	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C860	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C861	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
C862	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C863	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C864	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C865	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C866	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C867	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C868	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C869	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C870	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C875	0CK104BF56A	"Capacitor,Ceramic,Chip"C1005X7R104KET 100nF 1
C900	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C905	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C908	0CK104CF56A	"Capacitor,Ceramic,Chip"0603B104K160CT 100nF 1
C909	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C910	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C911	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C914	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C917	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C931	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C932	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C933	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C934	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C935	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C955	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C956	0CK474CH94A	"Capacitor,Ceramic,Chip"0603F474Z250CT 470nF -
C960	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C961	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C962	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C972	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C973	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C974	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C977	0CK104CK56A	"Capacitor,Ceramic,Chip"0603B104K500CT 100nF 1
C980	0CK103CK56A	"Capacitor,Ceramic,Chip"0603B103K500CT 10nF 10
C1370	0CF4741L430	"Capacitor,Film,DIP"PCMT365 76474 470nF 5%
C1371	0CF4741L430	"Capacitor,Film,DIP"PCMT365 76474 470nF 5%
DIODEs		
D1000	0DD184009AA	Diode AssemblyKDS184 KDS184 TP KEC -
D1001	0DD184009AA	Diode AssemblyKDS184 KDS184 TP KEC -
D906	0DD100009AM	"Diode,Rectifier"EU1ZV(1) 200V 2.5V 10U
D900	0DS226009AA	"Diode,Switching"KDS226 1.2V 85V 300MA
D902	0DS226009AA	"Diode,Switching"KDS226 1.2V 85V 300MA
D903	0DS226009AA	"Diode,Switching"KDS226 1.2V 85V 300MA
D904	0DS226009AA	"Diode,Switching"KDS226 1.2V 85V 300MA
D905	0DS226009AA	"Diode,Switching"KDS226 1.2V 85V 300MA
D100	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
D101	EAH33946001	"Diode,TVS"CDS3C05GTA 5.6V 6.4V 1
D102	EAH33946001	"Diode,TVS"CDS3C05GTA 5.6V 6.4V 1
D103	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
D104	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD100	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD101	EAH33946001	"Diode,TVS"CDS3C05GTA 5.6V 6.4V 1
ZD102	EAH33946001	"Diode,TVS"CDS3C05GTA 5.6V 6.4V 1
ZD103	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
ZD104	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1100	EAH33946001	"Diode,TVS"CDS3C05GTA 5.6V 6.4V 1
ZD1101	EAH33946001	"Diode,TVS"CDS3C05GTA 5.6V 6.4V 1
ZD1104	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1105	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1106	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1107	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1108	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1109	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1112	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1113	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1114	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1201	EAH33946001	"Diode,TVS"CDS3C05GTA 5.6V 6.4V 1
ZD1202	EAH33946001	"Diode,TVS"CDS3C05GTA 5.6V 6.4V 1
ZD1203	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1211	EAH33946001	"Diode,TVS"CDS3C05GTA 5.6V 6.4V 1
ZD1212	EAH33946001	"Diode,TVS"CDS3C05GTA 5.6V 6.4V 1
ZD1218	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1219	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1220	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1221	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1222	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1223	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1224	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1226	EAH33945901	"Diode,TVS"CDS3C30GTH 30V 50V 120
ZD1228	EAH33946001	"Diode,TVS"CDS3C05GTA 5.6V 6.4V 1
ZD1229	EAH33946001	"Diode,TVS"CDS3C05GTA 5.6V 6.4V 1
ZD101	0DZ510009AK	"Diode,Zener"GDZJ5.1B 5.1V 4.94TO5.
ZD102	0DZ510009AK	"Diode,Zener"GDZJ5.1B 5.1V 4.94TO5.
ZD1300	0DZRM00248A	"Diode,Zener"RLZ8.2B 8.2V 7.78TO8.1
ICs		
IC1004	EAN33595101	"IC,Analog Multiplexer"STHDMI002A 3.135TO3.46
IC1400	0ISO206900A	"IC,Analog Switch"CXA2069Q 8.5TO9.5V - -
IC600	0IPRP00602A	"IC,Analog Switch"TPS2010ADR 2.7TO5.5V 8
IC1301	0ILNR00261C	"IC,Audio Amplifier"STA335BW 5TO26V 0 10%
IC102	0ISTLPH026A	"IC,CMOS"74LVC14APW 1.2TO3.6V 0
IC1101	0IPH741400E	"IC,CMOS"74HC14D 2TO6V 0.002mA
IC1104	0ITO741570C	"IC,CMOS"TC74LCX157FT 2TO3.6V 0
IC1105	0IMCRFA018A	"IC,CMOS"NC7SB3157P6X_NL 1.65TO
IC1106	0IMCRFA018A	"IC,CMOS"NC7SB3157P6X_NL 1.65TO
IC300	0ISTLPH003B	"IC,CMOS"74LVC541APW 1.2TO3.6V
IC301	0IMCRFA013A	"IC,CMOS"74LCX244MTC 2TO3.6V 0.
IC302	0ISTLPH003B	"IC,CMOS"74LVC541APW 1.2TO3.6V
IC303	0IMCRFA013A	"IC,CMOS"74LCX244MTC 2TO3.6V 0.
IC404	0ISTLPH026A	"IC,CMOS"74LVC14APW 1.2TO3.6V 0
IC410	0ITO741570C	"IC,CMOS"TC74LCX157FT 2TO3.6V 0
IC100	0IPRP00703B	"IC,Data Controller"STI5100GUC 3.3V 5u 27M
IC1002	0IMMRAL014D	"IC,EEPROM"AT24C02BN-SH-T 2KBIT 2
IC1003	0IMMRAL014D	"IC,EEPROM"AT24C02BN-SH-T 2KBIT 2
IC103	0IMP242560A	"IC,EEPROM"24LC256T-I/SM 256KBIT
IC1100	0IMMRAL014D	"IC,EEPROM"AT24C02BN-SH-T 2KBIT 2
IC701	0IMP242560A	"IC,EEPROM"24LC256T-I/SM 256KBIT
IC702	EAN34099701	"IC,EEPROM"M2404HEPROM 4KBIT 512

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
IC500	EAN36661101	"IC,LDO Voltage Regulator"MIC37100-1.8WS 2.25V ~
IC501	0IPMG00027A	"IC,LDO Voltage Regulator"SC156515M-1.8TR 2.2TO5
IC502	EAN36661201	"IC,LDO Voltage Regulator"MIC37100-2.5WS 2.78V ~
IC503	0IPMGKE030A	"IC,LDO Voltage Regulator"KIA78R05F 6TO12V 5V 8W
IC504	0IPMGKE031A	"IC,LDO Voltage Regulator"KIA78R33F 4TO10V 3.3V
IC505	0IPMGKE031A	"IC,LDO Voltage Regulator"KIA78R33F 4TO10V 3.3V
IC507	0IPMGKE030A	"IC,LDO Voltage Regulator"KIA78R05F 6TO12V 5V 8W
IC900	0IPMGFA061A	"IC,LDO Voltage Regulator"FAN1587AD33X 4.8TO10.3
IC901	0IPMGFA061A	"IC,LDO Voltage Regulator"FAN1587AD33X 4.8TO10.3
IC902	0IPMG00107A	"IC,LDO Voltage Regulator"AZ1117H-2.5TR/E1 15V 2
IC903	0IPMG00027A	"IC,LDO Voltage Regulator"SC156515M-1.8TR 2.2TO5
IC506	0ISTL00029A	"IC,OP Amplifier"MC33078DR2G +-5TO+-18V
IC202	0IMMRIH038B	"IC,SDRAM"HYB25D(C)256160CE-5 25
IC801	0IMMRIH038B	"IC,SDRAM"HYB25D(C)256160CE-5 25
IC1300	0IMCRMN028C	"IC,Sound/Audio Processor"MSP4450K-QA-D6 7.6TO8.
IC1102	0IPRP00009A	"IC,Tx/Rx"ICL3232CBNZ 3VTO5.5V -
IC700	EAN33595901	"IC,Video Processors"FLI8548H-LF-BE 300MVTO
IC200	0IPMG78391A	"IC,Voltage Regulator"SC2595STR 2.3TO5V 0 0W
IC804	0IPMG78391A	"IC,Voltage Regulator"SC2595STR 2.3TO5V 0 0W
IC904	EAN32662801	"IC,Voltage Regulator"KA7809ERTM 35V to 40V
	COILs & FILTERs & INDUCTORs	
L100	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L101	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L102	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L103	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L104	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L105	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L106	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L108	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L1101	6210TCE001L	"Filter,Bead"HB-1T2012-102JT 1000OH
L1102	6210TCE001L	"Filter,Bead"HB-1T2012-102JT 1000OH
L1104	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L1105	6210TCE001P	"Filter,Bead"HB-1S2012-121JT(H:1mm)
L1106	6210TCE001P	"Filter,Bead"HB-1S2012-121JT(H:1mm)
L1107	6210TCE001P	"Filter,Bead"HB-1S2012-121JT(H:1mm)
L1108	6210TCE001P	"Filter,Bead"HB-1S2012-121JT(H:1mm)
L1109	6210TCE001P	"Filter,Bead"HB-1S2012-121JT(H:1mm)
L1205	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L1206	6210TCE001Z	"Filter,Bead"HH-1M2012-600JT 60OHM
L1207	6210TCE001Z	"Filter,Bead"HH-1M2012-600JT 60OHM
L1208	6210TCE001Z	"Filter,Bead"HH-1M2012-600JT 60OHM
L1211	6210TCE001L	"Filter,Bead"HB-1T2012-102JT 1000OH
L1212	6210TCE001L	"Filter,Bead"HB-1T2012-102JT 1000OH
L1215	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L1300	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L1301	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L1302	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L1303	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L1309	6210TCE001S	"Filter,Bead"HU-1M2012-121 120OHM 2
L1310	6210TCE001S	"Filter,Bead"HU-1M2012-121 120OHM 2
L1311	6210TCE001S	"Filter,Bead"HU-1M2012-121 120OHM 2
L1312	6210TCE001S	"Filter,Bead"HU-1M2012-121 120OHM 2
L1314	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
L1315	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L1401	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L1403	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L1412	6210TCE001E	"Filter,Bead"HB-1M2012-800JT(H:1mm)
L1413	6210TCE001E	"Filter,Bead"HB-1M2012-800JT(H:1mm)
L400	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L606	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L607	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L700	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L701	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L703	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L704	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L705	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L706	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L707	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L800	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L801	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L900	6210TCE001X	"Filter,Bead"HU-1H4532-121JT 120OHM
L907	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L909	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L911	6210TCE001X	"Filter,Bead"HU-1H4532-121JT 120OHM
L912	6210TCE001X	"Filter,Bead"HU-1H4532-121JT 120OHM
L913	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L918	6210TCE001X	"Filter,Bead"HU-1H4532-121JT 120OHM
L919	6210TCE001X	"Filter,Bead"HU-1H4532-121JT 120OHM
L923	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
L925	6210TCE001G	"Filter,Bead"HH-1M3216-501JT 500OHM
F1	6210VH0001A	"Filter,Ferrite Core"6210VH0001A 50OHM 25MM
L1404	EAM37276902	"Filter,LCR"LCF20P101-TM LPF(EMI)
L1405	EAM33010401	"Filter,LCR"MEM2012P25R0 EMI 25MHZ
L1406	EAM33010401	"Filter,LCR"MEM2012P25R0 EMI 25MHZ
L1407	EAM33010401	"Filter,LCR"MEM2012P25R0 EMI 25MHZ
L1408	EAM37276902	"Filter,LCR"LCF20P101-TM LPF(EMI)
L1409	EAM37276902	"Filter,LCR"LCF20P101-TM LPF(EMI)
L1410	EAM33010401	"Filter,LCR"MEM2012P25R0 EMI 25MHZ
L901	EAM33010401	"Filter,LCR"MEM2012P25R0 EMI 25MHZ
L902	EAM33010401	"Filter,LCR"MEM2012P25R0 EMI 25MHZ
L903	EAM33010401	"Filter,LCR"MEM2012P25R0 EMI 25MHZ
L904	EAM33010401	"Filter,LCR"MEM2012P25R0 EMI 25MHZ
L905	EAM33010401	"Filter,LCR"MEM2012P25R0 EMI 25MHZ
L906	EAM33010401	"Filter,LCR"MEM2012P25R0 EMI 25MHZ
L908	EAM33010401	"Filter,LCR"MEM2012P25R0 EMI 25MHZ
L100	0LC1032101A	"Inductor,Multilayer,Chip"FI-C3216-103KJT 10UH 1
L109	0LC1032101A	"Inductor,Multilayer,Chip"FI-C3216-103KJT 10UH 1
L1209	0LC0233002A	"Inductor,Multilayer,Chip"FI-B2012-332KJT 3.3UH
L1210	0LC0233002A	"Inductor,Multilayer,Chip"FI-B2012-332KJT 3.3UH
L1213	0LC0233002A	"Inductor,Multilayer,Chip"FI-B2012-332KJT 3.3UH
L1214	0LC0233002A	"Inductor,Multilayer,Chip"FI-B2012-332KJT 3.3UH
L1216	0LC0233002A	"Inductor,Multilayer,Chip"FI-B2012-332KJT 3.3UH
L1217	0LC0233002A	"Inductor,Multilayer,Chip"FI-B2012-332KJT 3.3UH
L1218	0LC0233002A	"Inductor,Multilayer,Chip"FI-B2012-332KJT 3.3UH
L1219	0LC0233002A	"Inductor,Multilayer,Chip"FI-B2012-332KJT 3.3UH
L1220	0LC0233002A	"Inductor,Multilayer,Chip"FI-B2012-332KJT 3.3UH
L1221	0LC0233002A	"Inductor,Multilayer,Chip"FI-B2012-332KJT 3.3UH
L1222	0LC0233002A	"Inductor,Multilayer,Chip"FI-B2012-332KJT 3.3UH

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
L604	0LC0233002A	"Inductor,Multilayer,Chip"FI-B2012-332KJT 3.3UH
L1304	0LCTO00019A	"Inductor,Wire Wound,Chip"D75C-646CY-220M=P3 22U
L1305	0LCTO00019A	"Inductor,Wire Wound,Chip"D75C-646CY-220M=P3 22U
L1306	0LCTO00019A	"Inductor,Wire Wound,Chip"D75C-646CY-220M=P3 22U
L1307	0LCTO00019A	"Inductor,Wire Wound,Chip"D75C-646CY-220M=P3 22U
L600	0LCTA00003A	"Inductor,Wire Wound,Chip"LEMC3225T6R8M 6.8UH 20
L601	0LCTA00003A	"Inductor,Wire Wound,Chip"LEMC3225T6R8M 6.8UH 20
L605	0LCTA00003A	"Inductor,Wire Wound,Chip"LEMC3225T6R8M 6.8UH 20
TRANSISTORs & FETs		
IC803	EBK32753101	FETSI4925BDY P-CHANNEL MO
Q1001	0TR830009BA	FETBSS83 N-CHANNEL MOSFET
Q100	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q101	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q1100	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q1200	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q1201	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q1202	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q1203	0TR102009AM	"TR,Bipolar"KRA102S PNP -30V 0V -5
Q1204	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q1300	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q1301	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q1302	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q1303	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q1304	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q1305	0TR102009AM	"TR,Bipolar"KRA102S PNP -30V 0V -5
Q1400	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q1401	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q1402	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q1403	0TR150400BA	"TR,Bipolar"2SA1504S(ASY) PNP -5V
Q1404	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q400	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q401	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q402	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q500	0TR102009AM	"TR,Bipolar"KRA102S PNP -30V 0V -5
Q502	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q503	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q504	0TR150400BA	"TR,Bipolar"2SA1504S(ASY) PNP -5V
Q602	0TR150400BA	"TR,Bipolar"2SA1504S(ASY) PNP -5V
Q603	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q604	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q606	0TR150400BA	"TR,Bipolar"2SA1504S(ASY) PNP -5V
Q607	0TR150400BA	"TR,Bipolar"2SA1504S(ASY) PNP -5V
Q608	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q609	0TR150400BA	"TR,Bipolar"2SA1504S(ASY) PNP -5V
Q800	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q900	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q901	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q902	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q903	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q904	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6
Q905	0TR387500AA	"TR,Bipolar"2SC3875S(ALY) NPN 5V 6

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
RESISTORs		
AR100	0RJ0472C687	"Resistor,Array"RCA86TRJ47R0 47OHM 5%
AR101	0RJ0472C687	"Resistor,Array"RCA86TRJ47R0 47OHM 5%
AR102	0RJ0472C687	"Resistor,Array"RCA86TRJ47R0 47OHM 5%
AR103	0RJ0472C687	"Resistor,Array"RCA86TRJ47R0 47OHM 5%
AR104	0RJ0472C687	"Resistor,Array"RCA86TRJ47R0 47OHM 5%
AR105	0RJ0472C687	"Resistor,Array"RCA86TRJ47R0 47OHM 5%
AR106	0RJ0472C687	"Resistor,Array"RCA86TRJ47R0 47OHM 5%
AR107	0RJ0472C687	"Resistor,Array"RCA86TRJ47R0 47OHM 5%
AR108	0RJ0472C687	"Resistor,Array"RCA86TRJ47R0 47OHM 5%
AR109	0RJ0472C687	"Resistor,Array"RCA86TRJ47R0 47OHM 5%
AR110	0RJ0472C687	"Resistor,Array"RCA86TRJ47R0 47OHM 5%
AR111	0RJ0472C687	"Resistor,Array"RCA86TRJ47R0 47OHM 5%
AR200	0RJ0222C687	"Resistor,Array"RCA86TRJ22R0 22OHM 5%
AR201	0RJ0222C687	"Resistor,Array"RCA86TRJ22R0 22OHM 5%
AR202	0RJ0222C687	"Resistor,Array"RCA86TRJ22R0 22OHM 5%
AR203	0RJ0222C687	"Resistor,Array"RCA86TRJ22R0 22OHM 5%
AR204	0RJ0222C687	"Resistor,Array"RCA86TRJ22R0 22OHM 5%
AR205	0RJ0222C687	"Resistor,Array"RCA86TRJ22R0 22OHM 5%
AR206	0RJ0222C687	"Resistor,Array"RCA86TRJ22R0 22OHM 5%
AR701	0RZZH033273	"Resistor,Array"MNR04M0ABJ330 33OHM 5%
AR702	0RZZH033273	"Resistor,Array"MNR04M0ABJ330 33OHM 5%
AR704	EBC32260501	"Resistor,Array"MNR04M0APJ000 0OHM 5%
AR706	0RZZH033273	"Resistor,Array"MNR04M0ABJ330 33OHM 5%
AR708	0RZZH033273	"Resistor,Array"MNR04M0ABJ330 33OHM 5%
AR711	EBC32260501	"Resistor,Array"MNR04M0APJ000 0OHM 5%
AR800	EBC32260405	"Resistor,Array"MNR04M0APJ680 68OHM 5%
AR805	EBC32260405	"Resistor,Array"MNR04M0APJ680 68OHM 5%
AR806	EBC32260405	"Resistor,Array"MNR04M0APJ680 68OHM 5%
AR807	EBC32260405	"Resistor,Array"MNR04M0APJ680 68OHM 5%
AR808	EBC32260405	"Resistor,Array"MNR04M0APJ680 68OHM 5%
AR809	EBC32260405	"Resistor,Array"MNR04M0APJ680 68OHM 5%
AR810	EBC32260405	"Resistor,Array"MNR04M0APJ680 68OHM 5%
R101	0RD9101Q609	"Resistor,Carbon Film"RDM94T1J9K10 9.1KOHM 5
R102	0RD3301Q609	"Resistor,Carbon Film"RDM94T1J3K30 3.3KOHM 5
R103	0RD1101Q609	"Resistor,Carbon Film"RDM94T1J1K10 1.1KOHM 5
R104	0RD1100Q609	"Resistor,Carbon Film"RDM94T1J110R 110OHM 5%
R105	0RD9101Q609	"Resistor,Carbon Film"RDM94T1J9K10 9.1KOHM 5
R106	0RD3301Q609	"Resistor,Carbon Film"RDM94T1J3K30 3.3KOHM 5
R107	0RD1101Q609	"Resistor,Carbon Film"RDM94T1J1K10 1.1KOHM 5
R108	0RD1100Q609	"Resistor,Carbon Film"RDM94T1J110R 110OHM 5%
R1363	0RD3301A609	"Resistor,Carbon Film"RDM92T1J3K30 3.3KOHM 5
L1205	0RJ0000G676	"Resistor,Chip"MCR18EZHJ00 0OHM 5% 1/
L1215	0RJ0000G676	"Resistor,Chip"MCR18EZHJ00 0OHM 5% 1/
L1218	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
L1219	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
L1220	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R100	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R100	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R101	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R101	0RH0752D622	"Resistor,Chip"MCR10EZHJ750 75OHM 5%
R1016	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R1017	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R1018	0RJ6800D677	"Resistor,Chip"MCR03EZPJ681 680OHM 5%

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1019	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R102	0RH1302D622	"Resistor,Chip"MCR10EZHJ133 13KOHM 5%
R102	0RH4700D622	"Resistor,Chip"MCR10EZHJ471 470OHM 5%
R102	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1020	0RJ6800D677	"Resistor,Chip"MCR03EZPJ681 680OHM 5%
R1021	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R1022	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R1023	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R103	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R103	0RH2203D622	"Resistor,Chip"MCR10EZHJ224 220KOHM 5
R103	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1038	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1039	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R104	0RH2002D622	"Resistor,Chip"MCR10EZHJ203 20KOHM 5%
R104	0RH4700D622	"Resistor,Chip"MCR10EZHJ471 470OHM 5%
R1040	0RJ4702D677	"Resistor,Chip"MCR03EZPJ473 47KOHM 5%
R1041	0RJ4702D677	"Resistor,Chip"MCR03EZPJ473 47KOHM 5%
R1042	0RJ4702D677	"Resistor,Chip"MCR03EZPJ473 47KOHM 5%
R1043	0RJ4702D677	"Resistor,Chip"MCR03EZPJ473 47KOHM 5%
R1044	0RJ3301D677	"Resistor,Chip"MCR03EZPJ332 3.3KOHM 5
R1049	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R105	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R105	0RH2203D622	"Resistor,Chip"MCR10EZHJ224 220KOHM 5
R105	0RH2700D622	"Resistor,Chip"MCR10EZHJ271 270OHM 5%
R105	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1050	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1052	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1053	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1056	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R1057	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R1058	0RJ1003D677	"Resistor,Chip"MCR03EZPJ104 100KOHM 5
R1059	0RJ2702D677	"Resistor,Chip"MCR03EZPJ273 27KOHM 5%
R106	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R106	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R106	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1060	0RJ3302D677	"Resistor,Chip"MCR03EZPJ333 33KOHM 5%
R1061	0RJ3302D677	"Resistor,Chip"MCR03EZPJ333 33KOHM 5%
R1065	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R107	0RH0752D622	"Resistor,Chip"MCR10EZHJ750 75OHM 5%
R108	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R109	0RH0752D622	"Resistor,Chip"MCR10EZHJ750 75OHM 5%
R110	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R110	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R1101	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R1102	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R1103	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R1104	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1107	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1108	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R111	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R111	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R1113	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R1114	0RJ2203D677	"Resistor,Chip"MCR03EZPJ224 220KOHM 5
R1115	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R1116	0RJ2203D677	"Resistor,Chip"MCR03EZPJ224 220KOHM 5
R1117	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R1118	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R1119	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R112	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R112	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R1120	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1121	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R1122	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1123	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1124	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R1125	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R1126	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R1127	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1128	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R1129	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R113	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R1130	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1131	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1133	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1134	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1135	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R1136	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1137	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1139	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R114	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R1140	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1141	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1148	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1150	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1151	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1152	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1157	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1158	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1161	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1162	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1164	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1165	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1166	0RJ3301D677	"Resistor,Chip"MCR03EZPJ332 3.3KOHM 5
R1171	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1185	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R1186	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R119	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R120	0RJ1802D677	"Resistor,Chip"MCR03EZPJ183 18KOHM 5%
R1200	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R1201	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1202	0RJ0682D677	"Resistor,Chip"MCR03EZPJ680 68OHM 5%
R1203	0RJ4703D677	"Resistor,Chip"MCR03EZPJ474 470KOHM 5
R1204	0RJ4702D677	"Resistor,Chip"MCR03EZPJ473 47KOHM 5%
R1205	0RJ2203D677	"Resistor,Chip"MCR03EZPJ224 220KOHM 5
R1207	0RJ2203D677	"Resistor,Chip"MCR03EZPJ224 220KOHM 5
R1209	0RJ3002D677	"Resistor,Chip"MCR03EZPJ303 30KOHM 5%
R121	0RJ1202D677	"Resistor,Chip"MCR03EZPJ123 12KOHM 5%
R1210	0RJ2203D677	"Resistor,Chip"MCR03EZPJ224 220KOHM 5
R1211	0RJ4703D677	"Resistor,Chip"MCR03EZPJ474 470KOHM 5
R1212	0RJ2203D677	"Resistor,Chip"MCR03EZPJ224 220KOHM 5

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1213	0RJ4703D677	"Resistor,Chip"MCR03EZPJ474 470KOHM 5
R1214	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R1215	0RJ1001D477	"Resistor,Chip"MCR03EZPF102 1KOHM 1%
R1216	0RJ1001D477	"Resistor,Chip"MCR03EZPF102 1KOHM 1%
R1219	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R122	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1220	0RJ2203D677	"Resistor,Chip"MCR03EZPJ224 220KOHM 5
R1221	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R1222	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R1223	0RJ2203D677	"Resistor,Chip"MCR03EZPJ224 220KOHM 5
R1224	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R1225	0RJ1001D477	"Resistor,Chip"MCR03EZPF102 1KOHM 1%
R1226	0RJ1001D477	"Resistor,Chip"MCR03EZPF102 1KOHM 1%
R1227	0RJ2201D477	"Resistor,Chip"MCR03EZPF222 2.2KOHM 1
R1228	0RJ2201D477	"Resistor,Chip"MCR03EZPF222 2.2KOHM 1
R1229	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R123	0RJ0472C678	"Resistor,Chip"MCR01MZPJ470 47OHM 5%
R1230	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R1231	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R1235	0RJ4703D677	"Resistor,Chip"MCR03EZPJ474 470KOHM 5
R1236	0RJ4703D677	"Resistor,Chip"MCR03EZPJ474 470KOHM 5
R1237	0RJ1001D477	"Resistor,Chip"MCR03EZPF102 1KOHM 1%
R1238	0RJ1001D477	"Resistor,Chip"MCR03EZPF102 1KOHM 1%
R1239	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R124	0RJ1200C678	"Resistor,Chip"MCR01MZPJ121 120OHM 5%
R1240	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R1241	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R1242	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R1243	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R1244	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R1245	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R125	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1259	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R126	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1260	0RJ2001D677	"Resistor,Chip"MCR03EZPJ202 2KOHM 5%
R1261	0RJ2001D677	"Resistor,Chip"MCR03EZPJ202 2KOHM 5%
R1262	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1263	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1264	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1270	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R1271	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R1273	0RJ3301D677	"Resistor,Chip"MCR03EZPJ332 3.3KOHM 5
R1274	0RJ0752D677	"Resistor,Chip"MCR03EZPJ750 75OHM 5%
R1275	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1276	0RJ3002D677	"Resistor,Chip"MCR03EZPJ303 30KOHM 5%
R1277	0RJ2203D677	"Resistor,Chip"MCR03EZPJ224 220KOHM 5
R1278	0RJ2203D677	"Resistor,Chip"MCR03EZPJ224 220KOHM 5
R1279	0RJ4702D677	"Resistor,Chip"MCR03EZPJ473 47KOHM 5%
R128	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1280	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R1281	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R1282	0RJ2203D677	"Resistor,Chip"MCR03EZPJ224 220KOHM 5
R1283	0RJ2203D677	"Resistor,Chip"MCR03EZPJ224 220KOHM 5
R1284	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R1285	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R1286	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R1287	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R1288	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R1289	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R129	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1290	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R1291	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R1292	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R1293	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R1300	0RJ6202D677	"Resistor,Chip"MCR03EZPJ623 62KOHM 5%
R1301	0RJ2402D677	"Resistor,Chip"MCR03EZPJ243 24KOHM 5%
R1302	0RJ4700D677	"Resistor,Chip"MCR03EZPJ471 470OHM 5%
R1303	0RJ1501D677	"Resistor,Chip"MCR03EZPJ152 1.5KOHM 5
R1304	0RJ0432D677	"Resistor,Chip"MCR03EZPJ430 43OHM 5%
R1305	0RJ0432D677	"Resistor,Chip"MCR03EZPJ430 43OHM 5%
R1307	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1308	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1309	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R131	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1310	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1311	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1312	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1313	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1314	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1315	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R1316	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R1317	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1318	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1319	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1320	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1321	0RJ2001D677	"Resistor,Chip"MCR03EZPJ202 2KOHM 5%
R1322	0RJ2001D677	"Resistor,Chip"MCR03EZPJ202 2KOHM 5%
R1323	0RJ4703D677	"Resistor,Chip"MCR03EZPJ474 470KOHM 5
R1324	0RJ4703D677	"Resistor,Chip"MCR03EZPJ474 470KOHM 5
R1327	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1328	0RJ2200D677	"Resistor,Chip"MCR03EZPJ221 220OHM 5%
R1329	0RJ0101D677	"Resistor,Chip"MCR03EZPJ1R0 1OHM 5% 1
R133	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1330	0RJ0101D677	"Resistor,Chip"MCR03EZPJ1R0 1OHM 5% 1
R1331	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R1332	0RJ2200D677	"Resistor,Chip"MCR03EZPJ221 220OHM 5%
R1333	0RJ2200D677	"Resistor,Chip"MCR03EZPJ221 220OHM 5%
R1334	0RJ2200D677	"Resistor,Chip"MCR03EZPJ221 220OHM 5%
R1338	0RJ3901D677	"Resistor,Chip"MCR03EZPJ392 3.9KOHM 5
R134	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1345	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1346	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1347	0RJ0392D677	"Resistor,Chip"MCR03EZPJ390 39OHM 5%
R1348	0RJ0392D677	"Resistor,Chip"MCR03EZPJ390 39OHM 5%
R1349	0RJ0392D677	"Resistor,Chip"MCR03EZPJ390 39OHM 5%
R1350	0RJ0392D677	"Resistor,Chip"MCR03EZPJ390 39OHM 5%
R1351	0RJ0122D677	"Resistor,Chip"MCR03EZPJ120 12OHM 5%
R1352	0RJ0122D677	"Resistor,Chip"MCR03EZPJ120 12OHM 5%
R1353	0RJ0122D677	"Resistor,Chip"MCR03EZPJ120 12OHM 5%
R1354	0RJ0122D677	"Resistor,Chip"MCR03EZPJ120 12OHM 5%

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1355	0RJ0122D677	"Resistor,Chip"MCR03EZPJ120 12OHM 5%
R1356	0RJ0122D677	"Resistor,Chip"MCR03EZPJ120 12OHM 5%
R1357	0RJ0122D677	"Resistor,Chip"MCR03EZPJ120 12OHM 5%
R1358	0RJ0122D677	"Resistor,Chip"MCR03EZPJ120 12OHM 5%
R1359	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R136	0RJ0472C678	"Resistor,Chip"MCR01MZPJ470 47OHM 5%
R1360	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1361	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1362	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1364	0RJ7500D677	"Resistor,Chip"MCR03EZPJ751 750OHM 5%
R1365	0RJ7500D677	"Resistor,Chip"MCR03EZPJ751 750OHM 5%
R1366	0RJ7500D677	"Resistor,Chip"MCR03EZPJ751 750OHM 5%
R1367	0RJ0000G676	"Resistor,Chip"MCR18EZHJ00 0OHM 5% 1/
R137	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R138	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R139	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R140	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1400	0RJ1501D677	"Resistor,Chip"MCR03EZPJ152 1.5KOHM 5
R1401	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1402	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1403	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1404	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R1405	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R1406	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1407	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1408	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1409	0RJ1500D677	"Resistor,Chip"MCR03EZPJ151 150OHM 5%
R1410	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1411	0RJ2200D677	"Resistor,Chip"MCR03EZPJ221 220OHM 5%
R1412	0RJ2200D677	"Resistor,Chip"MCR03EZPJ221 220OHM 5%
R1413	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1414	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1415	0RJ2200D677	"Resistor,Chip"MCR03EZPJ221 220OHM 5%
R1416	0RJ2200D677	"Resistor,Chip"MCR03EZPJ221 220OHM 5%
R1417	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1418	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1419	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R142	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1420	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1421	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1422	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1423	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1429	0RJ1001C678	"Resistor,Chip"MCR01MZPJ102 1KOHM 5%
R143	0RJ2701D677	"Resistor,Chip"MCR03EZPJ272 2.7KOHM 5
R1430	0RJ1201C678	"Resistor,Chip"MCR01MZPJ122 1.2KOHM 5
R1431	0RJ1201C678	"Resistor,Chip"MCR01MZPJ122 1.2KOHM 5
R1433	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R1436	0RJ1201C678	"Resistor,Chip"MCR01MZPJ122 1.2KOHM 5
R1438	0RJ1201C678	"Resistor,Chip"MCR01MZPJ122 1.2KOHM 5
R1439	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R144	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R145	0RJ2701D677	"Resistor,Chip"MCR03EZPJ272 2.7KOHM 5
R1452	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1453	0RJ4703D677	"Resistor,Chip"MCR03EZPJ474 470KOHM 5
R1454	0RJ4703D677	"Resistor,Chip"MCR03EZPJ474 470KOHM 5

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1455	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1456	0RJ1501D677	"Resistor,Chip"MCR03EZPJ152 1.5KOHM 5
R146	0RJ2701D677	"Resistor,Chip"MCR03EZPJ272 2.7KOHM 5
R1460	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R1461	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R1462	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R1463	0RJ1003D677	"Resistor,Chip"MCR03EZPJ104 100KOHM 5
R1465	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R1466	0RJ1201C678	"Resistor,Chip"MCR01MZPJ122 1.2KOHM 5
R1467	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R1468	0RJ1201C678	"Resistor,Chip"MCR01MZPJ122 1.2KOHM 5
R1469	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R147	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1477	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R1478	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R148	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R149	0RJ2701D677	"Resistor,Chip"MCR03EZPJ272 2.7KOHM 5
R150	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R151	0RJ0472C678	"Resistor,Chip"MCR01MZPJ470 47OHM 5%
R152	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R153	0RJ0472C678	"Resistor,Chip"MCR01MZPJ470 47OHM 5%
R154	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R155	0RJ3303D677	"Resistor,Chip"MCR03EZPJ334 330KOHM 5
R157	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1607	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1608	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1609	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R162	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R163	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R164	0RJ1202D677	"Resistor,Chip"MCR03EZPJ123 12KOHM 5%
R165	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R166	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R167	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R168	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R169	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R170	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1703	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R1704	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R1706	0RJ0332C678	"Resistor,Chip"MCR01MZPJ330 33OHM 5%
R1708	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1709	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R1710	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R1713	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1715	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1716	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R1717	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R1718	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R1719	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1720	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R1721	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1722	0RJ2701D677	"Resistor,Chip"MCR03EZPJ272 2.7KOHM 5
R1724	0RJ0332C678	"Resistor,Chip"MCR01MZPJ330 33OHM 5%
R1726	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1727	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1728	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R1729	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R173	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1730	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1731	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1732	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1733	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1734	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1735	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1736	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1737	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1738	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1739	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1740	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1741	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1742	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R1743	0RJ1000D477	"Resistor,Chip"MCR03EZPF101 100OHM 1%
R1744	0RJ1500D477	"Resistor,Chip"MCR03EZPF151 150OHM 1%
R1745	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R1747	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1748	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1749	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R175	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R1750	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R1751	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R1752	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1753	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1754	0RJ1201C678	"Resistor,Chip"MCR01MZPJ122 1.2KOHM 5
R1758	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1759	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R1760	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R1761	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R1762	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R1763	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R1764	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R1765	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R1766	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R1767	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R1768	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R1769	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R177	0RJ0472C678	"Resistor,Chip"MCR01MZPJ470 47OHM 5%
R1770	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R1771	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R1773	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R1774	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R1775	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1776	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1777	0RJ2201C678	"Resistor,Chip"MCR01MZPJ222 2.2KOHM 5
R1778	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R178	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R1780	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R1784	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R1788	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R179	0RJ0472C678	"Resistor,Chip"MCR01MZPJ470 47OHM 5%
R180	0RJ0472C678	"Resistor,Chip"MCR01MZPJ470 47OHM 5%
R183	0RJ3300D677	"Resistor,Chip"MCR03EZPJ331 330OHM 5%

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R184	0RJ3300D677	"Resistor,Chip"MCR03EZPJ331 330OHM 5%
R185	0RJ0472C678	"Resistor,Chip"MCR01MZPJ470 47OHM 5%
R186	0RJ0472C678	"Resistor,Chip"MCR01MZPJ470 47OHM 5%
R187	0RJ0472C678	"Resistor,Chip"MCR01MZPJ470 47OHM 5%
R188	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R189	0RJ0000G676	"Resistor,Chip"MCR18EZHJ00 0OHM 5% 1/
R192	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R193	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R195	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R196	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R197	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R200	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R201	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R202	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R203	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R204	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R205	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R206	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R207	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R208	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R209	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R210	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R211	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R212	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R213	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R214	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R215	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R216	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R217	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R218	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R219	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R220	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R221	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R222	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R223	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R224	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R225	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R226	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R227	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R228	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R229	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R230	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R231	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R232	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R233	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R234	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R235	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R236	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R237	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R238	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R239	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R241	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R242	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R243	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R244	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R245	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R246	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R247	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R248	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R249	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R250	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R251	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R255	0RJ4701D477	"Resistor,Chip"MCR03EZPF472 4.7KOHM 1
R256	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R257	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R258	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R259	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R260	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R301	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R302	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R303	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R304	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R305	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R306	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R309	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R310	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R311	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R312	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R313	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R314	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R315	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R316	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R319	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R320	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R321	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R322	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R323	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R324	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R325	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R326	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R329	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R403	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R407	0RJ1202D677	"Resistor,Chip"MCR03EZPJ123 12KOHM 5%
R412	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R413	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R414	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R415	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R416	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R417	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R421	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R422	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R437	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R438	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R439	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R441	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R446	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R448	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R521	EBC32306001	"Resistor,Chip"MCR03EZP5FX9100 910OHM
R522	0RJ9311D477	"Resistor,Chip"MCR03EZPF9311 9.31KOHM
R523	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R524	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R526	0RJ2001D677	"Resistor,Chip"MCR03EZPJ202 2KOHM 5%
R527	0RJ2001D677	"Resistor,Chip"MCR03EZPJ202 2KOHM 5%
R528	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R531	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R534	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R536	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R537	0RJ1502D677	"Resistor,Chip"MCR03EZPJ153 15KOHM 5%
R539	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R540	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R541	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R543	0RJ1502D677	"Resistor,Chip"MCR03EZPJ153 15KOHM 5%
R544	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R547	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R548	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R550	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R554	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R555	0RJ2202D677	"Resistor,Chip"MCR03EZPJ223 22KOHM 5%
R556	0RJ4302D677	"Resistor,Chip"MCR03EZPJ433 43KOHM 5%
R557	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R558	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R600	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R603	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R604	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R605	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R606	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R607	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R608	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R609	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R610	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R611	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R612	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R613	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R624	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R625	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R626	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R627	0RJ1003D677	"Resistor,Chip"MCR03EZPJ104 100KOHM 5
R629	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R632	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R633	0RJ0472D677	"Resistor,Chip"MCR03EZPJ470 47OHM 5%
R636	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R637	0RJ4700D677	"Resistor,Chip"MCR03EZPJ471 470OHM 5%
R639	0RJ0822D677	"Resistor,Chip"MCR03EZPJ820 82OHM 5%
R640	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R642	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R644	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R646	0RJ2700D677	"Resistor,Chip"MCR03EZPJ271 270OHM 5%
R647	0RJ2200D677	"Resistor,Chip"MCR03EZPJ221 220OHM 5%
R648	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R649	0RJ1500D677	"Resistor,Chip"MCR03EZPJ151 150OHM 5%
R650	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R651	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R652	0RJ2001D677	"Resistor,Chip"MCR03EZPJ202 2KOHM 5%
R653	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R654	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R655	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R657	0RJ0102D677	"Resistor,Chip"MCR03EZPJ100 10OHM 5%
R658	0RJ2201D677	"Resistor,Chip"MCR03EZPJ222 2.2KOHM 5
R659	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R662	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R663	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R664	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R665	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R666	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R667	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R668	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R669	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R670	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R671	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R672	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R673	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R674	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R675	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R676	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R677	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R678	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R679	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R680	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R681	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R682	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R684	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R685	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R686	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R687	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R688	0RH0000D622	"Resistor,Chip"MCR10EZHJ000 0OHM 5% 1
R701	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R702	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R703	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R704	0RJ0000C678	"Resistor,Chip"MCR01MZPJ000 0OHM 5% 1
R705	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R707	0RJ1002C678	"Resistor,Chip"MCR01MZPJ103 10KOHM 5%
R708	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R709	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R710	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R711	0RJ1002C678	"Resistor,Chip"MCR01MZPJ103 10KOHM 5%
R712	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R713	0RJ0332C678	"Resistor,Chip"MCR01MZPJ330 33OHM 5%
R717	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R718	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R720	0RJ1002C678	"Resistor,Chip"MCR01MZPJ103 10KOHM 5%
R722	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R723	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R724	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R725	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R726	0RJ3900C678	"Resistor,Chip"MCR01MZP5J391 390OHM 5
R727	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R728	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R729	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R733	0RJ0562D677	"Resistor,Chip"MCR03EZPJ560 56OHM 5%
R734	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%

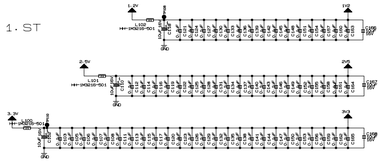
LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R735	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R737	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R739	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R740	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R741	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R743	0RJ0000C678	"Resistor,Chip"MCR01MZPJ000 0OHM 5% 1
R744	0RJ0000C678	"Resistor,Chip"MCR01MZPJ000 0OHM 5% 1
R745	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R746	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R747	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R748	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R751	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R754	0RJ0562D677	"Resistor,Chip"MCR03EZPJ560 56OHM 5%
R755	0RJ1002C678	"Resistor,Chip"MCR01MZPJ103 10KOHM 5%
R756	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R757	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R759	0RJ0562D677	"Resistor,Chip"MCR03EZPJ560 56OHM 5%
R762	0RJ1002C678	"Resistor,Chip"MCR01MZPJ103 10KOHM 5%
R764	0RJ0562D677	"Resistor,Chip"MCR03EZPJ560 56OHM 5%
R767	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R769	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R770	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R771	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R772	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R775	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R777	0RJ0332C678	"Resistor,Chip"MCR01MZPJ330 33OHM 5%
R778	0RJ1002C678	"Resistor,Chip"MCR01MZPJ103 10KOHM 5%
R779	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R780	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R781	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R782	0RJ1000D677	"Resistor,Chip"MCR03EZPJ101 100OHM 5%
R783	0RJ1002C678	"Resistor,Chip"MCR01MZPJ103 10KOHM 5%
R784	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R785	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R786	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R787	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R788	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R790	0RJ0332D677	"Resistor,Chip"MCR03EZPJ330 33OHM 5%
R791	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R792	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R793	0RJ1002C678	"Resistor,Chip"MCR01MZPJ103 10KOHM 5%
R794	0RJ1002C678	"Resistor,Chip"MCR01MZPJ103 10KOHM 5%
R795	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%
R796	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R797	0RJ1000C678	"Resistor,Chip"MCR01MZPJ101 100OHM 5%
R799	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R800	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R801	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R805	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R807	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R808	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R810	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R811	0RJ0222D677	"Resistor,Chip"MCR03EZPJ220 22OHM 5%
R812	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R813	0RJ0222C678	"Resistor,Chip"MCR01MZPJ220 22OHM 5%

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
R816	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R818	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R821	0RJ0682C678	"Resistor,Chip"MCR01MZPJ680 68OHM 5%
R822	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R823	0RJ2700C678	"Resistor,Chip"MCR01MZPJ271 270OHM 5%
R825	0RJ2700C678	"Resistor,Chip"MCR01MZPJ271 270OHM 5%
R826	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R827	0RJ0682C678	"Resistor,Chip"MCR01MZPJ680 68OHM 5%
R829	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R843	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R851	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R853	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R854	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R860	0RJ0682C678	"Resistor,Chip"MCR01MZPJ680 68OHM 5%
R877	0RJ0682C678	"Resistor,Chip"MCR01MZPJ680 68OHM 5%
R880	0RJ0682C678	"Resistor,Chip"MCR01MZPJ680 68OHM 5%
R881	0RJ0682C678	"Resistor,Chip"MCR01MZPJ680 68OHM 5%
R882	0RJ0682C678	"Resistor,Chip"MCR01MZPJ680 68OHM 5%
R883	0RJ0682C678	"Resistor,Chip"MCR01MZPJ680 68OHM 5%
R884	0RJ0682C678	"Resistor,Chip"MCR01MZPJ680 68OHM 5%
R885	0RJ0682C678	"Resistor,Chip"MCR01MZPJ680 68OHM 5%
R886	0RJ0682C678	"Resistor,Chip"MCR01MZPJ680 68OHM 5%
R888	0RJ0682C678	"Resistor,Chip"MCR01MZPJ680 68OHM 5%
R891	0RJ0682C678	"Resistor,Chip"MCR01MZPJ680 68OHM 5%
R892	0RJ0682C678	"Resistor,Chip"MCR01MZPJ680 68OHM 5%
R900	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R901	0RJ1002D477	"Resistor,Chip"MCR03EZPF103 10KOHM 1%
R902	0RJ2002D477	"Resistor,Chip"MCR03EZPF203 20KOHM 1%
R910	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R911	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R913	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R915	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R916	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R917	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R918	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R919	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R920	0RJ3302D677	"Resistor,Chip"MCR03EZPJ333 33KOHM 5%
R923	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R924	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R925	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R926	0RJ3302D677	"Resistor,Chip"MCR03EZPJ333 33KOHM 5%
R927	0RJ4701D677	"Resistor,Chip"MCR03EZPJ472 4.7KOHM 5
R928	0RJ0000D677	"Resistor,Chip"MCR03EZPJ000 0OHM 5% 1
R930	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
R932	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R933	0RJ1001D677	"Resistor,Chip"MCR03EZPJ102 1KOHM 5%
R934	0RJ1002D677	"Resistor,Chip"MCR03EZPJ103 10KOHM 5%
OTHERs		
X100	6212AC2002B	Crystal9H03200164 32.768KHZ 2
X101	6212AB2883A	CrystalHC-49SM 27.00000MHZ 27
X1300	156-A02R	CrystalEUA18.4320F16E33L 18.4
X700	6212AB2015J	CrystalHC-49SM 19.66080HZ 19.
J100	6612J10033A	"Jack,Complex"PMJ016-13 13P DIN/RCA
J1000	6612B00015C	"Jack,DIN"DC1R019WDH. SOCKET 21P

LOC. NO.	PART NO.	DESCRIPTION / SPECIFICATION
J1001	6612B00015C	"Jack,DIN"DC1R019WDH. SOCKET 21P
J1	6612BBBHN4D	"Jack,Fiber Optic"TOTX177 3P TX 2.54MM A
J1101	6612F00099A	"Jack,Phone"PEJ024-01 1P 4P STRAIG
J1203	6612J10031B	"Jack,RCA"PPJ209-01 14.0MM 1RX3C
J600	6612J10023A	"Jack,RCA"KCN-BT-0-0053 10.5MM/1
J1200	6612M00010A	"Jack,Scart"PSC003-01 21P 21P/1C 3
J1201	6612M00010A	"Jack,Scart"PSC003-01 21P 21P/1C 3
D100	0DLLT0110AA	"LED,DIP"LTL-1BEHJ-1 ROUND 3MM
IC100	6712000013A	Receiver ModuleTSOP4438SO1 4.5TO5.5V
IC201	SAA30310831	"S/W,Firmware"5.15 A805 EUROPE FLASH
IC201	SAA30310946	"S/W,Firmware"4.16 F715 EUROPE FLASH
SW100	EBF32593901	"Switch,Tact"TMUE312GAB 1C1P 12VDC
SW101	140-313B	"Switch,Tact"KPT-1115AM 1C1P 12VDC
SW102	140-313B	"Switch,Tact"KPT-1115AM 1C1P 12VDC
SW103	140-313B	"Switch,Tact"KPT-1115AM 1C1P 12VDC
SW104	140-313B	"Switch,Tact"KPT-1115AM 1C1P 12VDC
SW105	140-313B	"Switch,Tact"KPT-1115AM 1C1P 12VDC
SW106	140-313B	"Switch,Tact"KPT-1115AM 1C1P 12VDC
SW107	140-313B	"Switch,Tact"KPT-1115AM 1C1P 12VDC
SW108	140-313B	"Switch,Tact"KPT-1115AM 1C1P 12VDC
SW700	EBF32593901	"Switch,Tact"TMUE312GAB 1C1P 12VDC
TU600	EBL32961502	"Tuner,Digital"TDFC-G106P DVB-T/PAL 1
CONNECTOR		
J1100	6630G70016A	"Connector,DSUB"A03-7071-094 D-SUB 15P
J1102	6630G70017A	"Connector,DSUB"A02-0915-101 D-SUB 9P
C1	6630V90142A	"Connector,Wafer"TPH254-R-1419-6A 6P 2.
P100	6602T12005G	"Connector,Wafer"12505WR-08A00 8P 1.25M
P100	6602T20009C	"Connector,Wafer"SMAW200-04P 4P 2.00MM
P101	6602T20009C	"Connector,Wafer"SMAW200-04P 4P 2.00MM
P101	6602T20009N	"Connector,Wafer"SMAW200-14P 14P 2.00MM
P1103	6602T12005G	"Connector,Wafer"12505WR-08A00 8P 1.25M
P1300	6602T25008B	"Connector,Wafer"SMW250-03P 3P 2.50MM 1
P1301	6602T25008C	"Connector,Wafer"SMW250-04P 4P 2.50MM 1
P1400	6602T20008N	"Connector,Wafer"SMW200-14P 14P 2.00MM
P800	6630V90116A	"Connector,Wafer"FI-X30SSL-HF 30P 1.00M
P900	6602T25008M	"Connector,Wafer"SMW250-13P 13P 2.50MM
P901	6602T25008J	"Connector,Wafer"SMW250-10P 10P 2.50MM
C10	EAD35982701	"Harness,Single"SMH200-4P SMH200-4P 20
C11	EAD35983001	"Harness,Single"12507HS-04L SMH200 500
C12	EAD35983201	"Harness,Single"12505HS 12505HS 600MM
C13	EAD36265201	"Harness,Single"12505HS 12505HP 70MM 1
C2	6631900012E	"Harness,Single"SMH250 SMH250 300mM 2.
C3	6631900019R	"Harness,Single"4p spk(right) SMH250 T
C4	6631T20033E	"Harness,Single"SMH200-14P SMH200-14P
C5	6631T25020L	"Harness,Single"SMH250 SMH250 250mM 2.
C6	6631T25026B	"Harness,Single"6631T25026B SMH250 350
C7	EAD35683002	"Harness,Single"LVDS LPL STANDARD FI-X
C8	EAD35908101	"Harness,Single"35001HS-02L 65002HS-03
C9	EAD35908402	"Harness,Single"High Power cable(UL PV

SIi5100 Decoupling Capacitors

1.ST



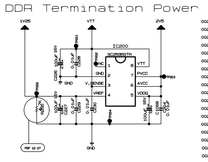
IC100

STI5100GUC

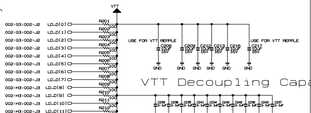
2.ST DDR

DDR TERMINATION OPTIONS

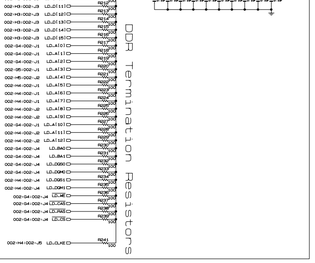
DDR Termination Power

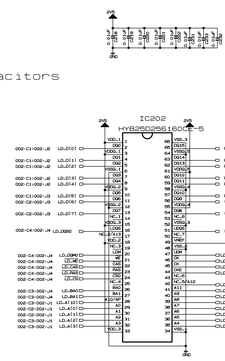


VTT Decoupling Capacitors

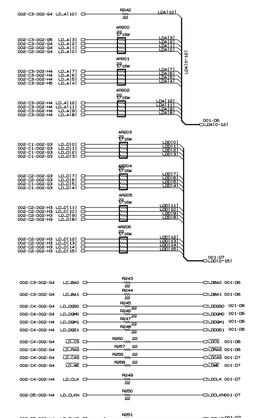


DDR Termination Resistor



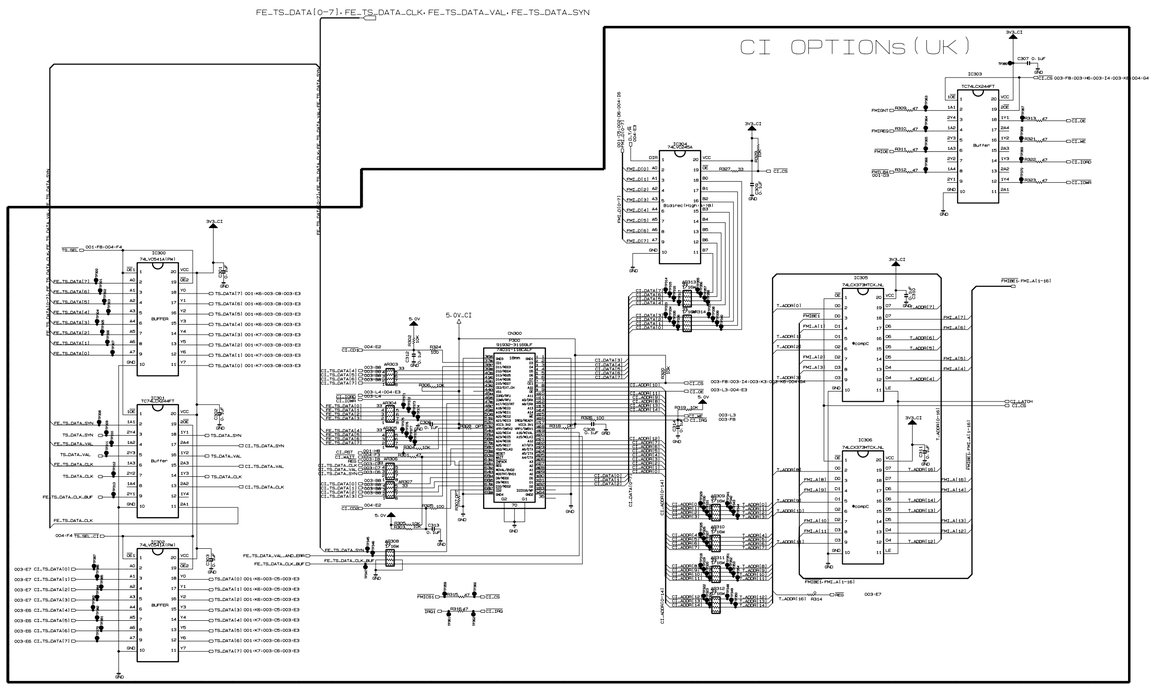


DDR SDRAM 16MB/32MB/64MB



DDR Series Resistors

3.CI



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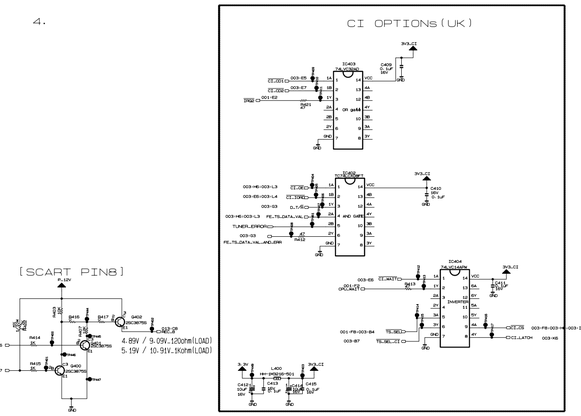
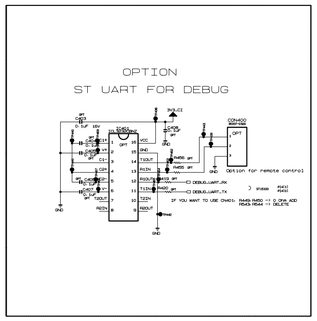
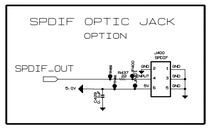
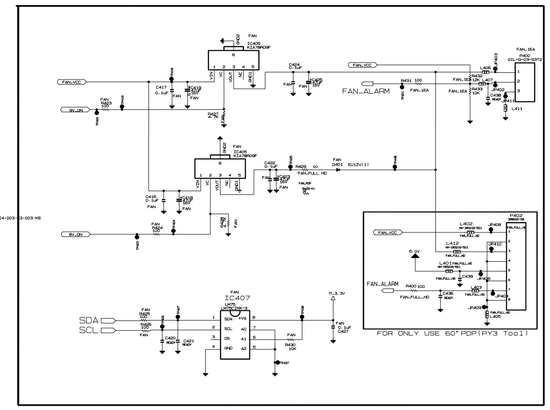
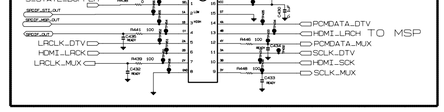






FAN OPTION

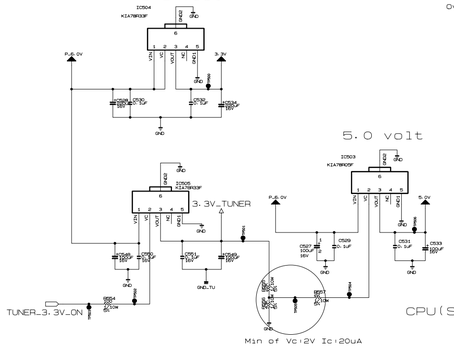




5.

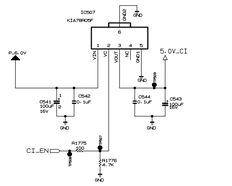
[POWER BLOCK]

3.3 volt



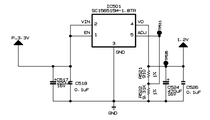
5.0V For only C.I.

Over current protection can be operated



5.0 volt

CPU(STi5100) core 1.25 volt

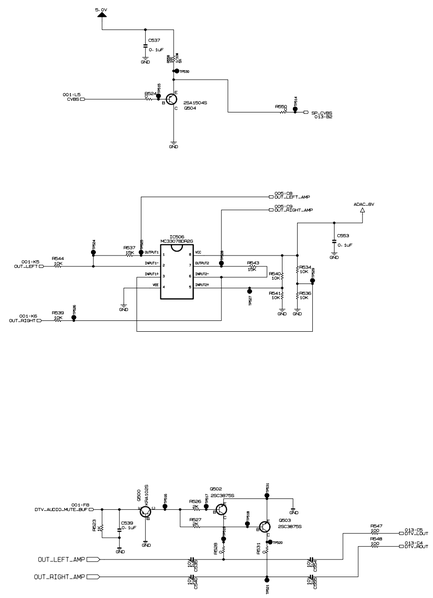


DDR SDRAM 2.5 VOLT

1.8V Regulator for TUNER

Locate close to the TUNER

% MUST BE PLACED NEAR IC100



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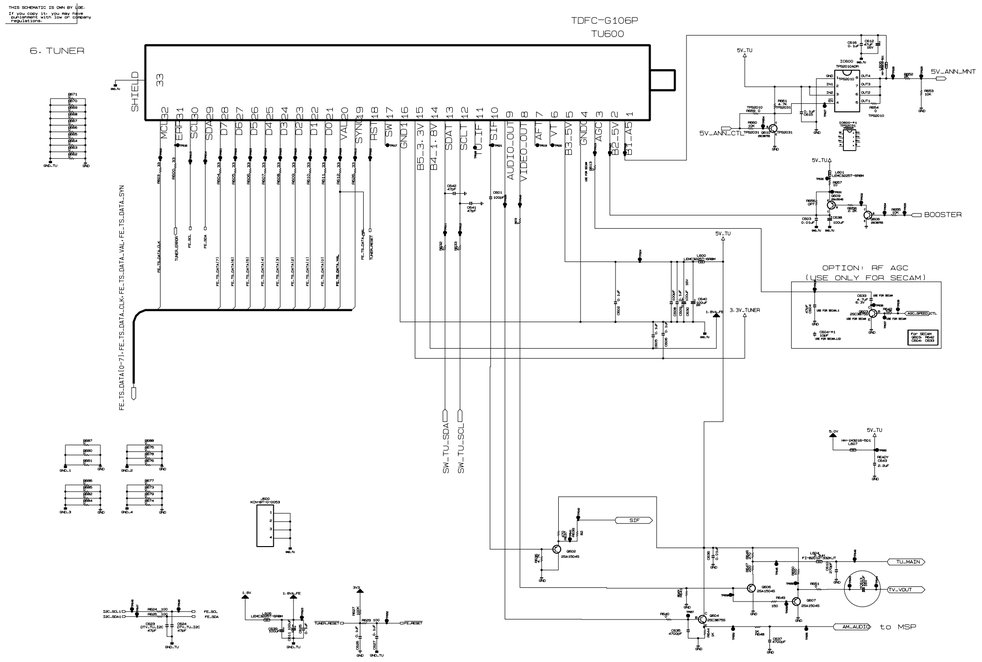
6. TUNER



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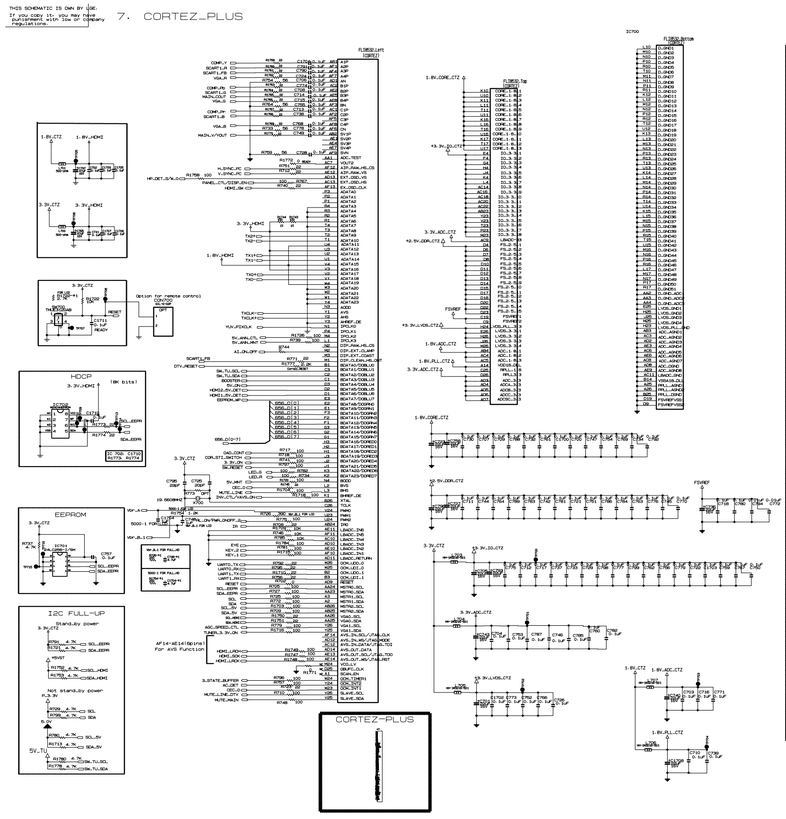
7. CORTEZ_PLUS



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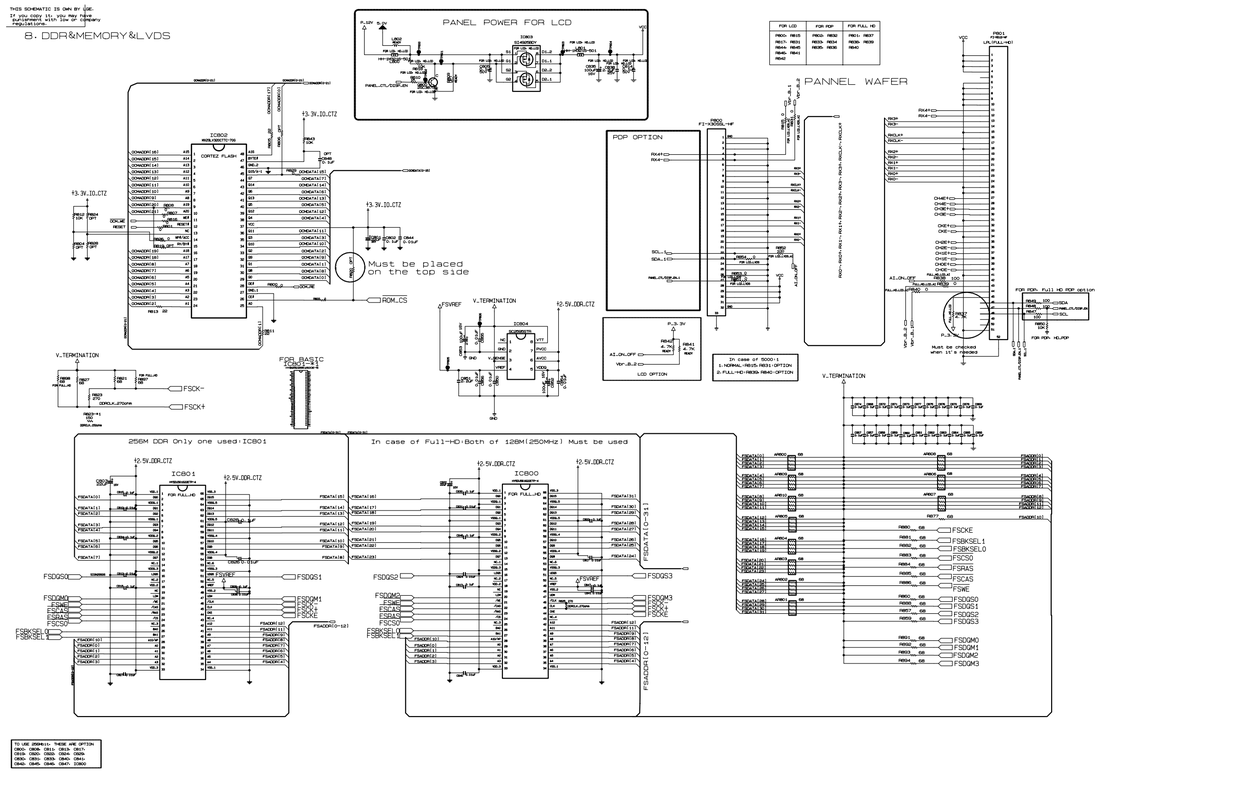
8. DDR&MEMORY&LVDS



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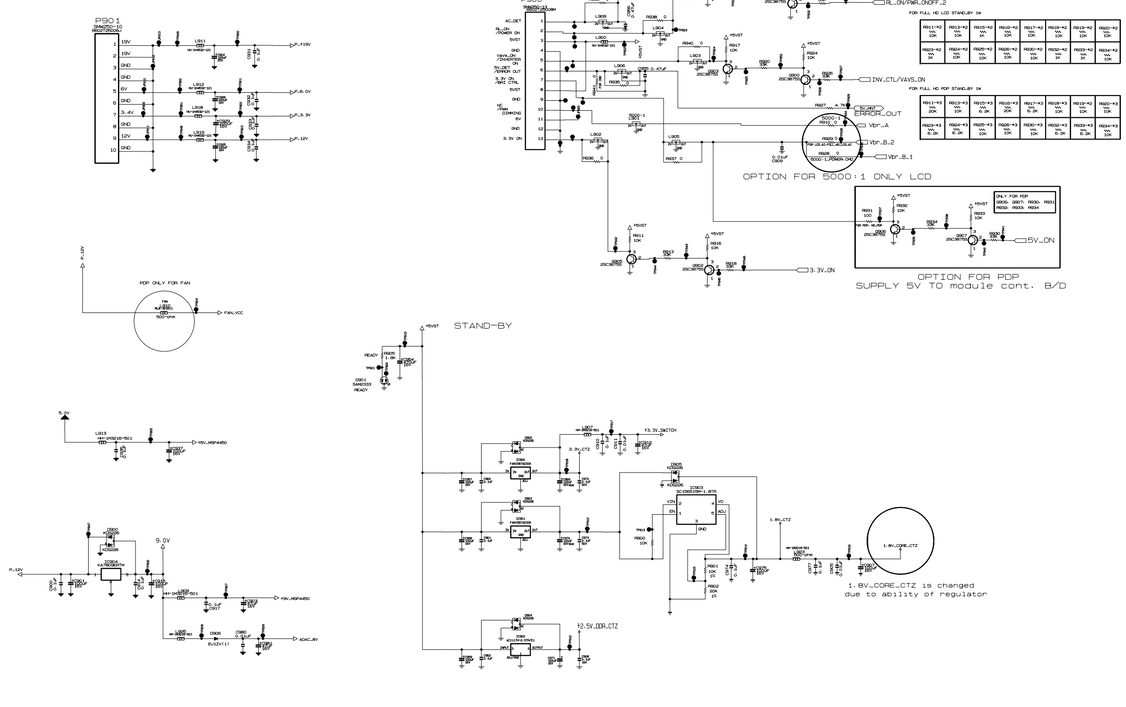
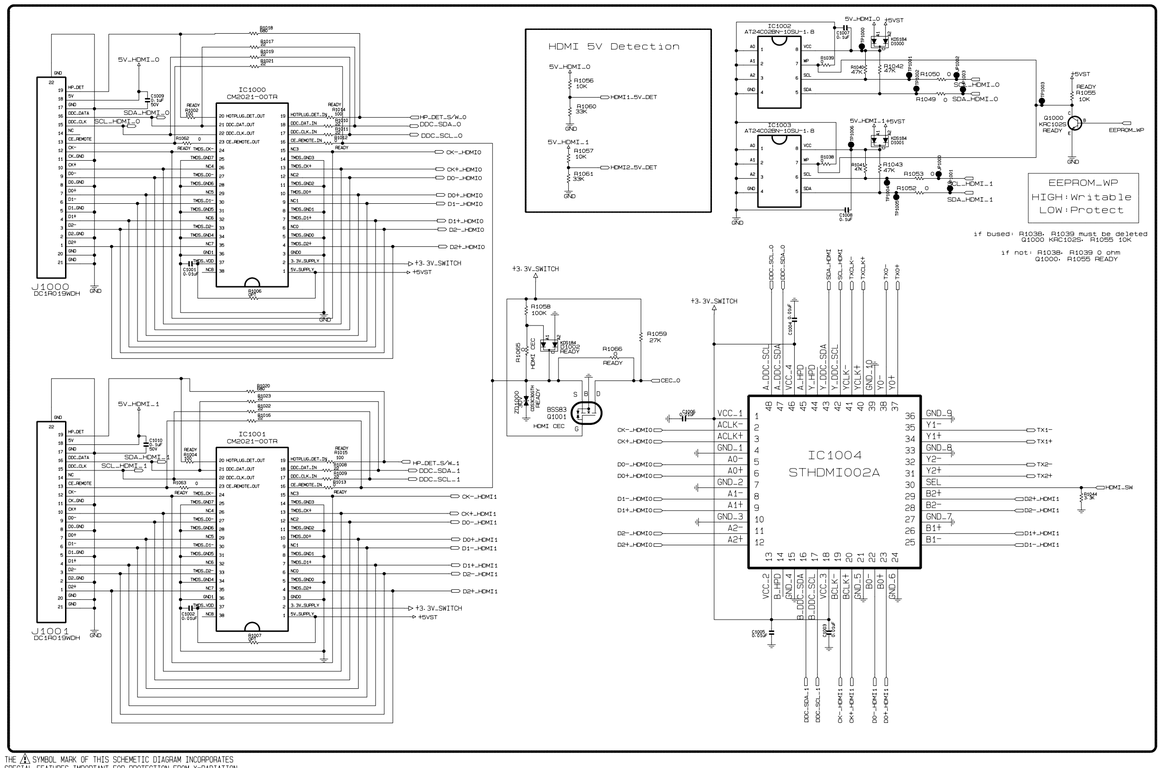
9. POWER



10. HDMI



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THE CRITICAL COMPONENTS IN THE ⚠ SYMBOL MARK OF THE SCHEMETIC.

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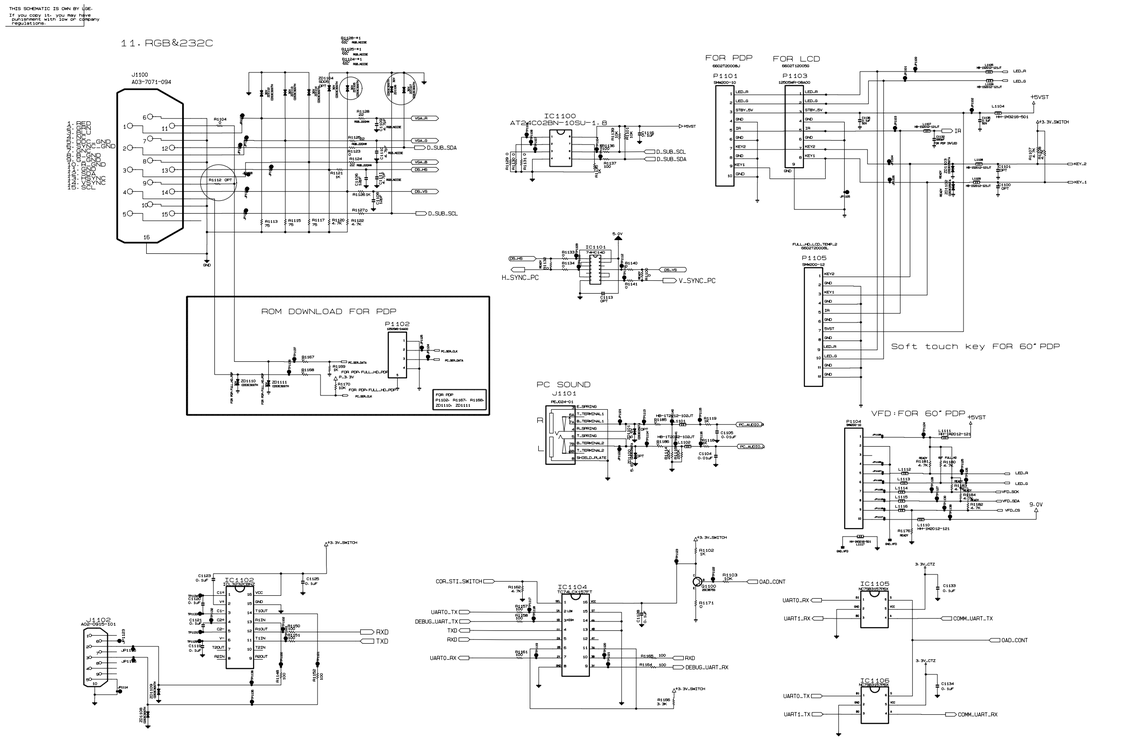
11. RGB&232C



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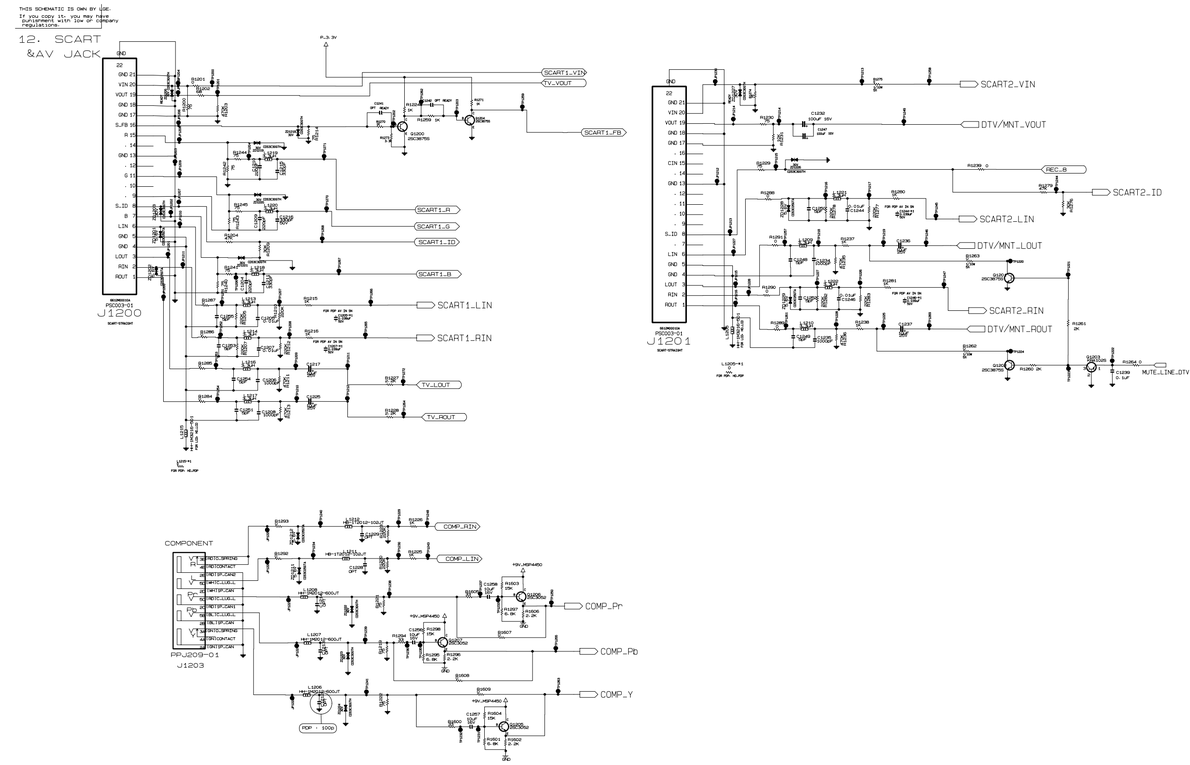
12. SCART &AV JACK



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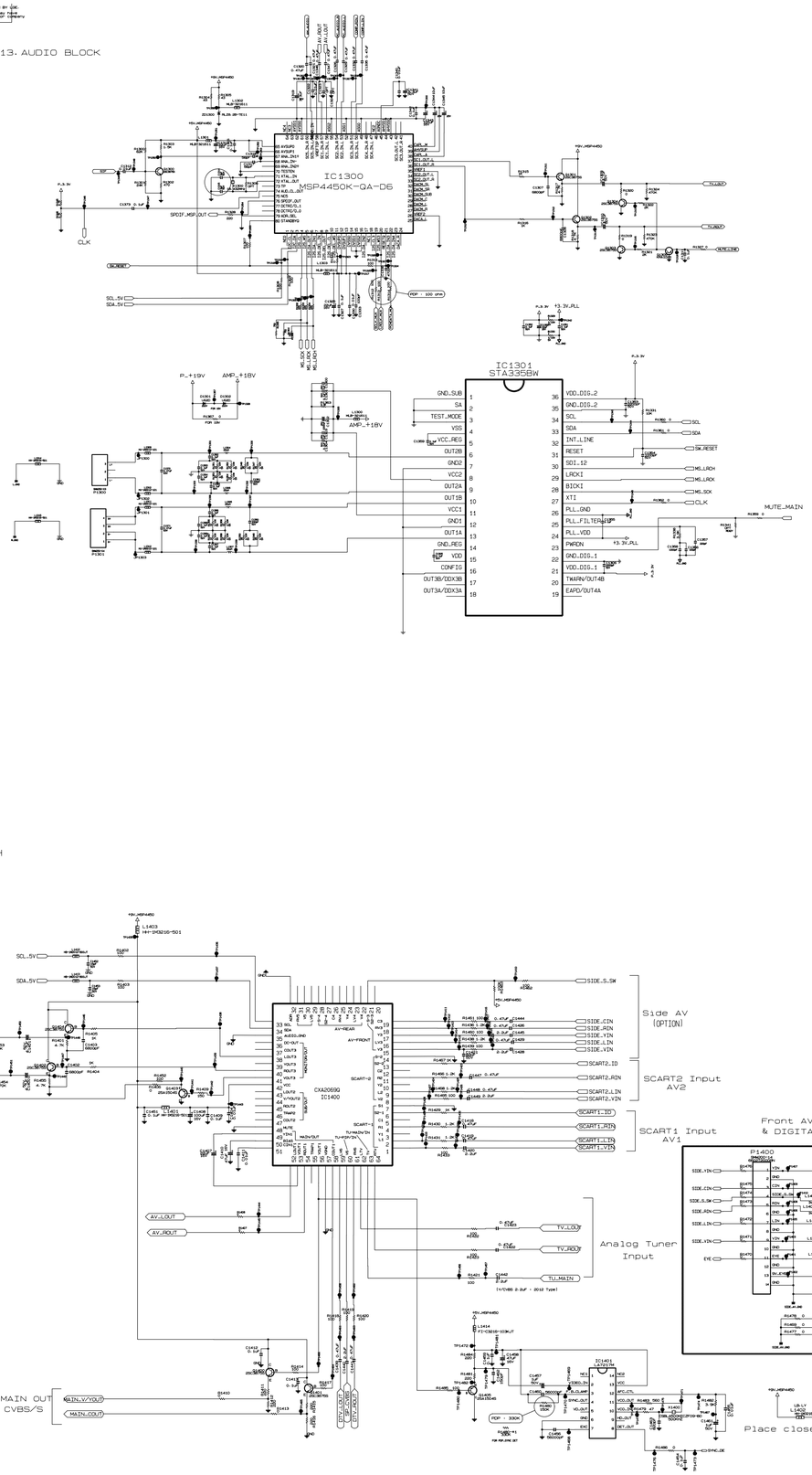
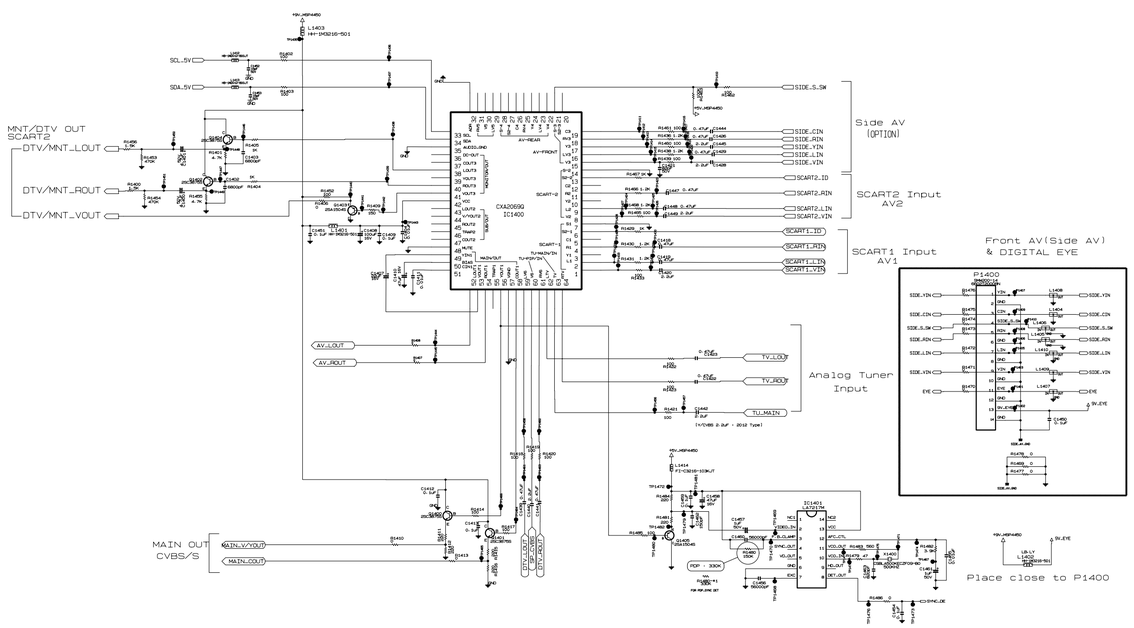


14. AV SWITCH



May., 2007
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